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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	3	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	4	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	5	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	6	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	7	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	8	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	9	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	10	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	11	JUL 28	CA/CAPLUS patent coverage enhanced
NEWS	12	JUL 28	EPFULL enhanced with additional legal status information from the epline Register
NEWS	13	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	14	JUL 28	STN Viewer performance improved
NEWS	15	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	16	AUG 13	CA/CAPLUS enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	17	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	18	AUG 15	CAPLUS currency for Korean patents enhanced
NEWS	19	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS	20	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS	21	SEP 25	CA/CAPLUS current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS	22	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and Korean patents enhanced
NEWS	23	SEP 29	IFICLS enhanced with new super search field
NEWS	24	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS	25	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS	26	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	27	OCT 07	Multiple databases enhanced for more flexible patent number searching

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:23:04 ON 14 OCT 2008

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:23:11 ON 14 OCT 2008  
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STRUCTURE FILE UPDATES: 12 OCT 2008 HIGHEST RN 1060442-20-7  
DICTIONARY FILE UPDATES: 12 OCT 2008 HIGHEST RN 1060442-20-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

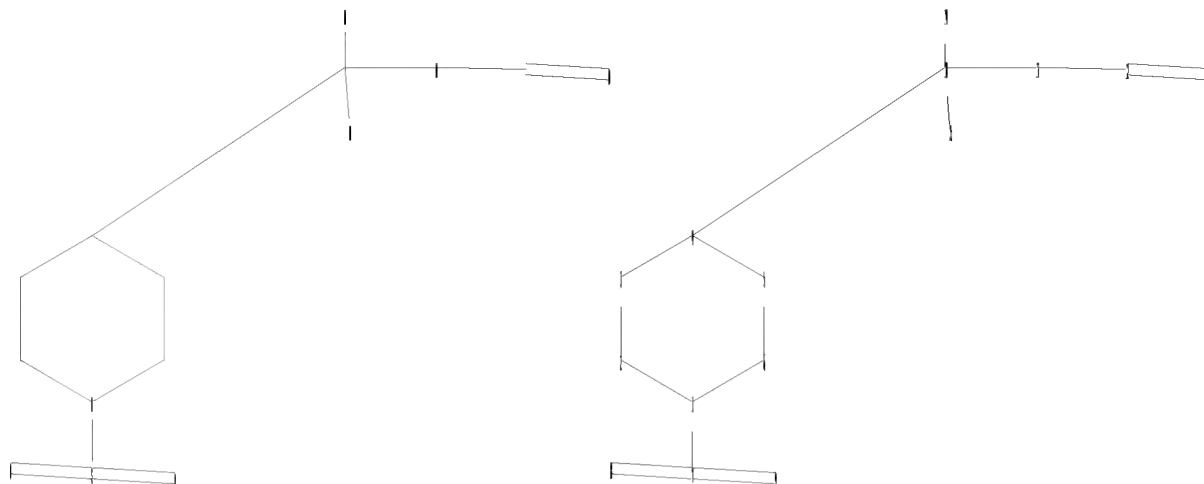
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when  
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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\STNEXP\Queries\11664190s8.str



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chain nodes :
7 8 9 10 11 12 13 14 15
ring nodes :
1 2 3 4 5 6
chain bonds :
1-7 4-10 7-8 7-9 10-11 10-14 10-15 11-12 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-7 2-3 3-4 4-5 5-6 7-8 7-9 10-11 11-12 12-13
exact bonds :
4-10 10-14 10-15

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

```

L1 STRUCTURE UPLOADED

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=> s l1 sss sam
SAMPLE SEARCH INITIATED 15:23:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 421 TO ITERATE

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100.0% PROCESSED          421 ITERATIONS                      50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   7189 TO   9651
PROJECTED ANSWERS:      736 TO   1664

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L2 50 SEA SSS SAM L1

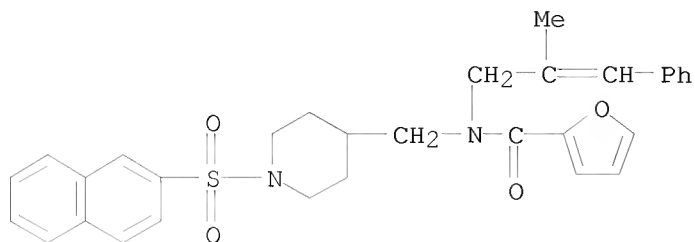
=> d scan

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L2 50 ANSWERS  REGISTRY  COPYRIGHT 2008 ACS on STN
IN 2-Furancarboxamide, N-(2-methyl-3-phenyl-2-propen-1-yl)-N-[[1-(2-

```

naphthalenylsulfonyl)-4-piperidinyllmethyl]-  
 MF C31 H32 N2 O4 S

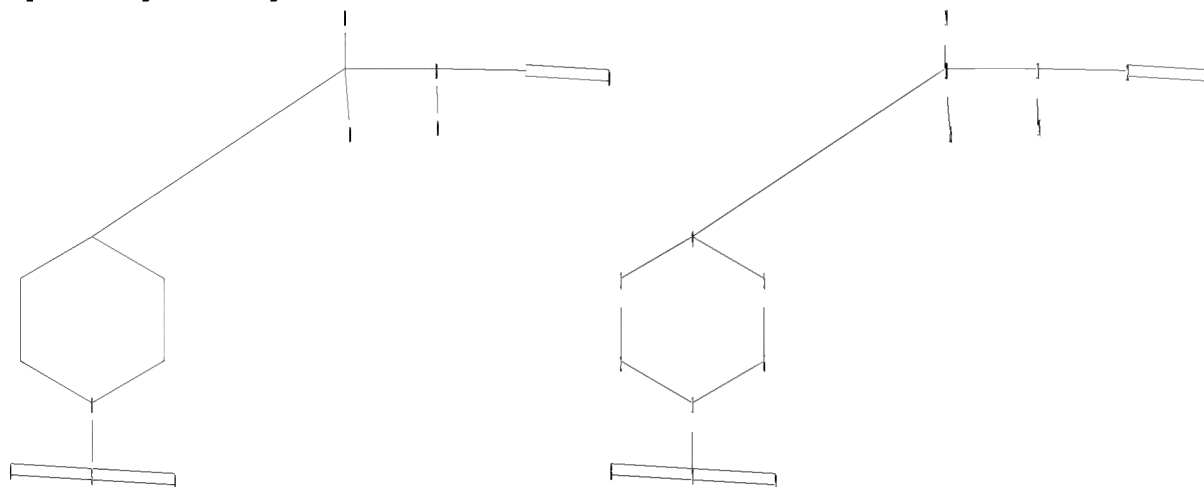


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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Uploading C:\Program Files\STNEXP\Queries\11664190s9.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-7 4-10 7-8 7-9 10-11 10-14 10-15 11-12 11-16 12-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-7 2-3 3-4 4-5 5-6 7-8 7-9 10-11 11-12 12-13

exact bonds :

4-10 10-14 10-15 11-16

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L3           STRUCTURE UPLOADED

=> s 13 sss sam

SAMPLE SEARCH INITIATED 15:24:47 FILE 'REGISTRY'

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100.0% PROCESSED       421 ITERATIONS

30 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*

BATCH   \*\*COMPLETE\*\*

PROJECTED ITERATIONS:       7189 TO       9651

PROJECTED ANSWERS:         272 TO       928

L4           30 SEA SSS SAM L3

=> s 13 sss full

FULL SEARCH INITIATED 15:24:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -       8643 TO ITERATE

100.0% PROCESSED       8643 ITERATIONS

645 ANSWERS

SEARCH TIME: 00.00.01

L5           645 SEA SSS FUL L3

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.28

179.49

FILE 'CAPLUS' ENTERED AT 15:25:03 ON 14 OCT 2008

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FILE COVERS 1907 - 14 Oct 2008   VOL 149 ISS 16

FILE LAST UPDATED: 12 Oct 2008   (20081012/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 15

L6           63 L5

=> s 15 and NMDA

63 L5  
30199 NMDA  
2 NMDAS  
30199 NMDA  
(NMDA OR NMDAS)

L7 4 L5 AND NMDA

=> d ibib abs hitstr 1-4

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:1093266 CAPLUS  
DOCUMENT NUMBER: 145:432223  
TITLE: Method of treating schizophrenia prodrome  
INVENTOR(S): Woods, Scott W.  
PATENT ASSIGNEE(S): Yale University, USA  
SOURCE: PCT Int. Appl., 64pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006110724	A2	20061019	WO 2006-US13444	20060411
WO 2006110724	A3	20070322		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2006235400	A1	20061019	AU 2006-235400	20060411
CA 2602626	A1	20061019	CA 2006-2602626	20060411
EP 1871165	A2	20080102	EP 2006-740849	20060411
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU			
JP 2008535864	T	20080904	JP 2008-505637	20060411
PRIORITY APPLN. INFO.:			US 2005-670600P	P 20050411
			WO 2006-US13444	W 20060411

OTHER SOURCE(S): MARPAT 145:432223

AB The present invention relates to a method of treating schizophrenia prodrome in human subjects using a NMDA glycine site agonist, a glycine transporter-1 inhibitor or mixts. thereof, optionally in combination with a pharmaceutically acceptable additive, carrier or excipient.

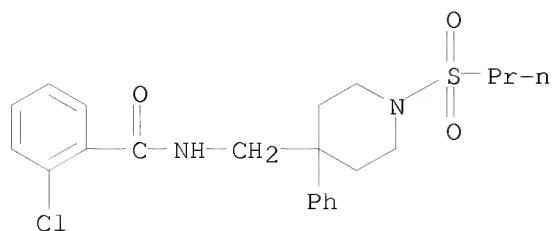
IT 852029-09-5

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(method of treating schizophrenia prodrome with NMDA glycine agonist and glycine transporter-1 inhibitor)

RN 852029-09-5 CAPLUS

CN Benzamide, 2-chloro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-  
(CA INDEX NAME)



L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:964146 CAPLUS

DOCUMENT NUMBER: 138:39187

TITLE: Preparation of piperidinecarboxylates and related compounds as NMDA NR2B receptor antagonists for the treatment or prevention of migraine.

INVENTOR(S): Allen, Christopher; Koblan, Ken S.; Sleeth, Timothy

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 185 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100352	A2	20021219	WO 2002-US21069	20020607
WO 2002100352	A3	20030327		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2449249	A1	20021219	CA 2002-2449249	20020607
AU 2002346050	A1	20021223	AU 2002-346050	20020607
EP 1399160	A2	20040324	EP 2002-744807	20020607
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004537526	T	20041216	JP 2003-503178	20020607
US 20040204341	A1	20041014	US 2003-479923	20031205
PRIORITY APPLN. INFO.:			US 2001-297672P	P 20010612
			WO 2002-US21069	W 20020607

AB A method for treating or preventing migraines comprises administration of an NR2B receptor antagonist (no data). The invention also encompasses the combination of an NR2B antagonist with a cyclooxygenase-2 selective inhibitor, a calcitonin gene-related peptide receptor (CGRP) ligand, a leukotriene receptor antagonist, or a 5HT1B/1D agonist for the treatment or prevention of migraines. Thus, 4-hydroxybenzoic acid, 1-hydroxybenzotriazole hydrate, benzyl 4-(aminomethyl)piperidine-1-carboxylate (preparation given), and Et3N in DMF were treated with 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride and the mixture allowed to stir at room temperature for 18 h to give 4-[(4-hydroxybenzoylamino)methyl]piperidine-1-carboxylic acid benzyl

ester.

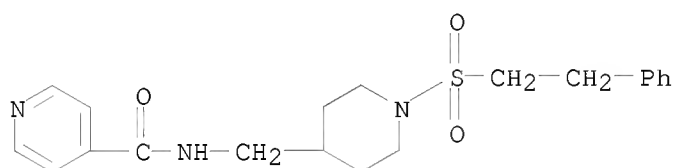
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471250-37-0P 471250-38-1P 471250-39-2P  
471250-40-5P 471250-41-6P 471250-42-7P  
471250-45-0P 471250-46-1P 478552-66-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(preparation of piperidinecarboxylates and related compds. as NR2B receptor  
antagonists for the treatment or prevention of migraine)

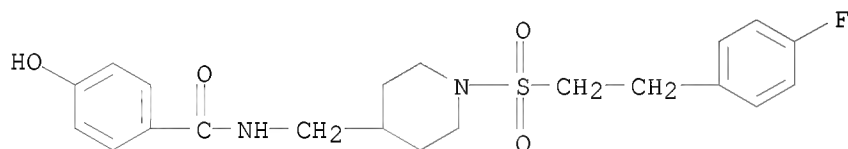
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CN 4-Pyridinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-  
piperidinyl]methyl]- (CA INDEX NAME)



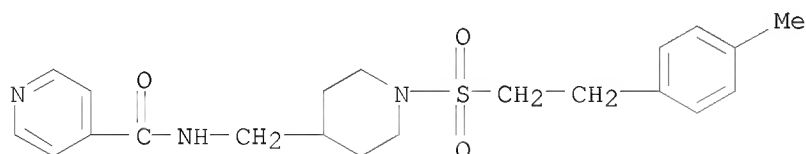
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CN Benzamide, N-[[1-[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-  
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RN 471250-29-0 CAPLUS

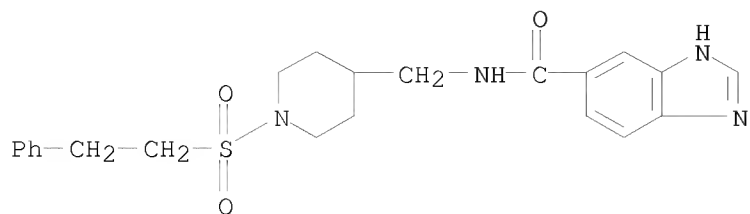
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RN 471250-30-3 CAPLUS

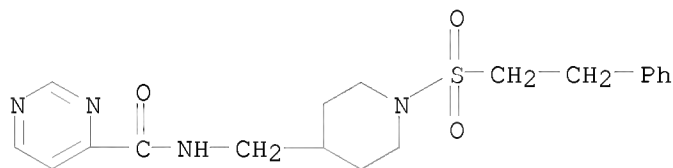
CN 1H-Benzimidazole-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-  
piperidinyl]methyl]- (CA INDEX NAME)





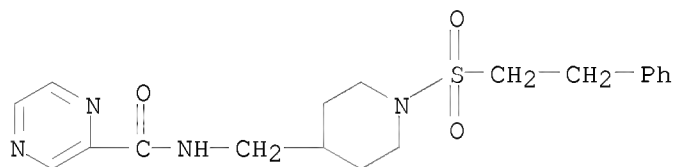
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CN 4-Pyrimidinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



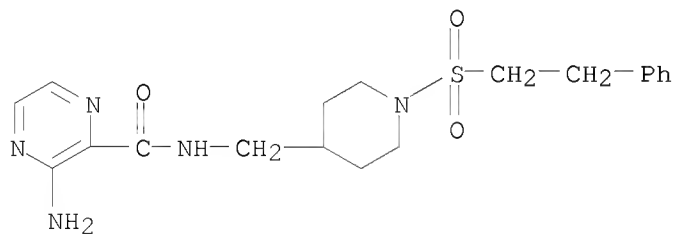
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CN 2-Pyrazinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



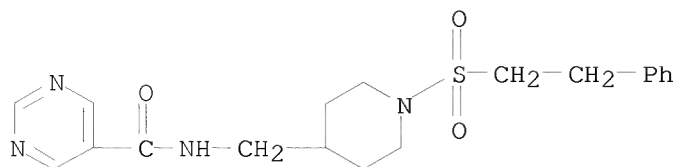
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CN 2-Pyrazinecarboxamide, 3-amino-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



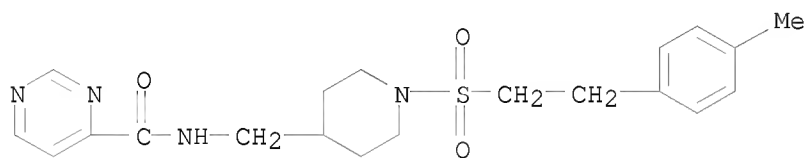
RN 471250-35-8 CAPLUS

CN 5-Pyrimidinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



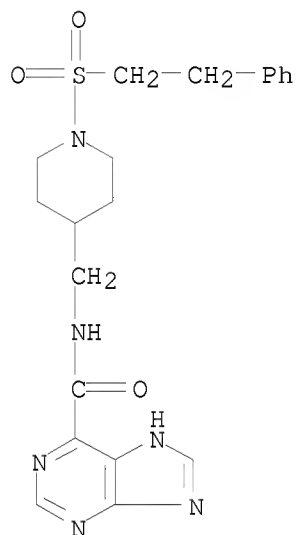
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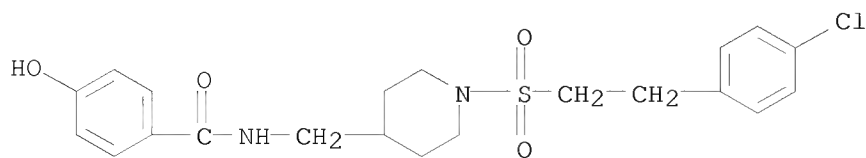
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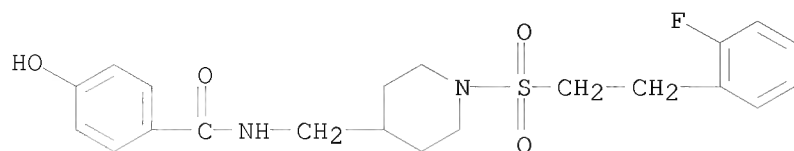
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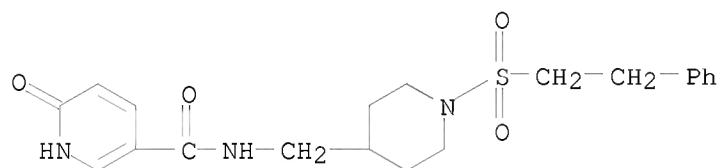
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CN Benzamide, N-[[1-[[2-(2-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-4-hydroxy- (CA INDEX NAME)



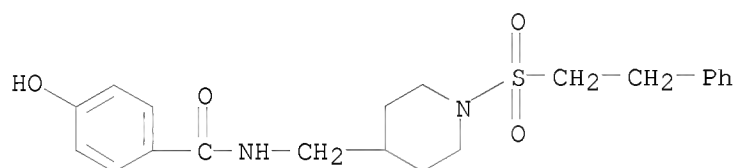
RN 471250-40-5 CAPLUS

CN 3-Pyridinecarboxamide, 1,6-dihydro-6-oxo-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



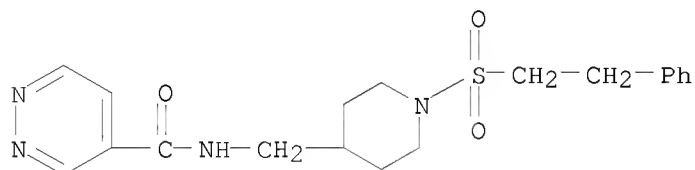
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CN Benzamide, 4-hydroxy-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



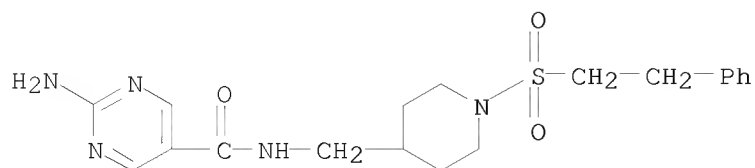
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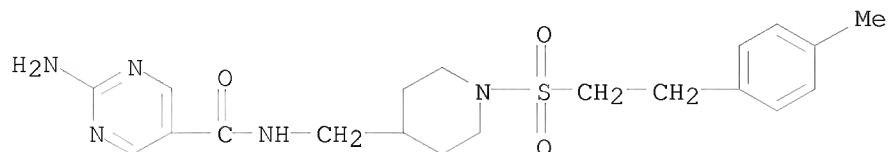


RN 471250-45-0 CAPLUS

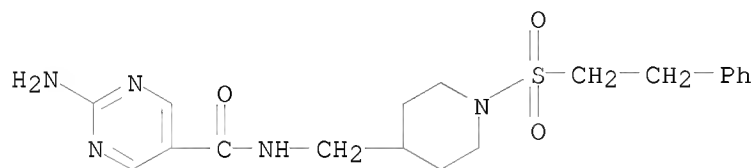
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RN 471250-46-1 CAPLUS  
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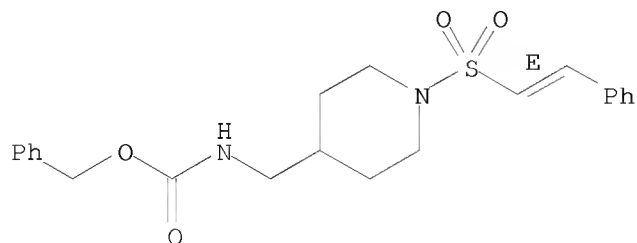
RN 478552-66-8 CAPLUS  
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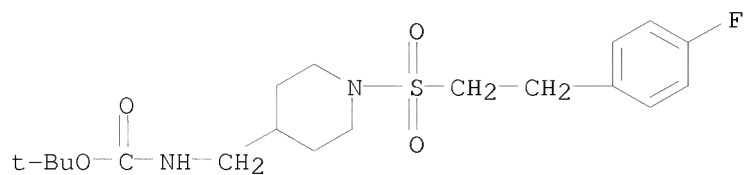
● HCl

IT 455267-19-3P 455267-23-9P 455267-41-1P  
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 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of piperidinecarboxylates and related compds. as NR2B receptor antagonists for the treatment or prevention of migraine)  
 RN 455267-19-3 CAPLUS  
 CN Carbamic acid, [[1-[[[(1E)-2-phenylethenyl]sulfonyl]-4-piperidinyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



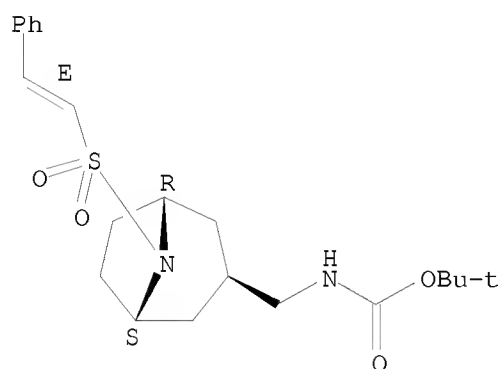
RN 455267-23-9 CAPLUS  
 CN Carbamic acid, [[1-[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 455267-41-1 CAPLUS

CN Carbamic acid, [[(3-exo)-8-[[[(1E)-2-phenylethenyl]sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

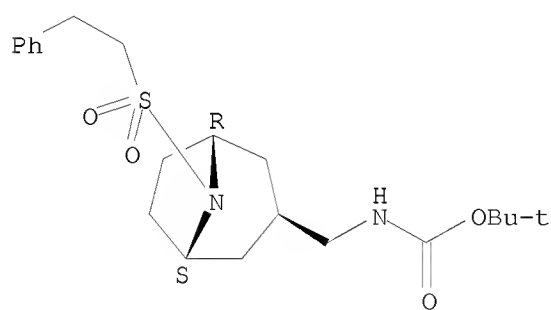
Relative stereochemistry.  
Double bond geometry as shown.



RN 455267-42-2 CAPLUS

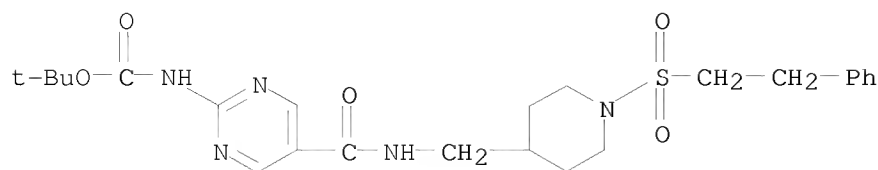
CN Carbamic acid, [[(3-exo)-8-[(2-phenylethyl)sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 471254-11-2 CAPLUS

CN Carbamic acid, [5-[[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]amino]carbonyl]-2-pyrimidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:793427 CAPLUS

DOCUMENT NUMBER: 137:310932

TITLE: Preparation of N-substituted nonaryl heterocyclyl amides as NMDA/NR2B antagonists for relieving pain

INVENTOR(S): Liverton, Nigel J.; Butcher, John W.; McIntyre, Charles J.; Claiborne, Christopher F.; Claremon, David A.; McCauley, James A.; Romano, Joseph J.; Thompson, Wayne; Munson, Peter M.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 270 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

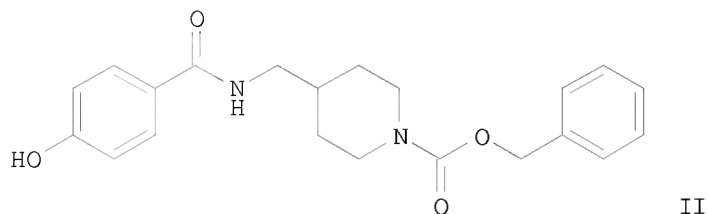
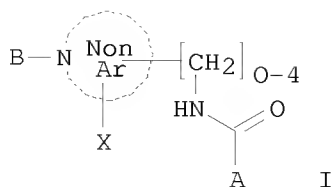
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002080928	A1	20021017	WO 2002-US10269	20020402
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2443108	A1	20021017	CA 2002-2443108	20020402
AU 2002338334	A1	20021021	AU 2002-338334	20020402
AU 2002338334	B2	20080814		
US 20030119811	A1	20030626	US 2002-114685	20020402
US 7259157	B2	20070821		
EP 1390034	A1	20040225	EP 2002-763896	20020402
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2005511478	T	20050428	JP 2002-578967	20020402
PRIORITY APPLN. INFO.:				
			US 2001-281166P	P 20010403
			WO 2002-US10269	W 20020402

OTHER SOURCE(S): MARPAT 137:310932

GI



AB The title compds. [I; NonAr = nonarom. 5-7 membered containing heteroatoms; A = (un)substituted Ph, pyrrolyl, imidazolyl, etc.; B = aryl(CH<sub>2</sub>)<sub>0-3</sub>(CH<sub>2</sub>)<sub>0-2</sub>CO, heteroaryl(CH<sub>2</sub>)<sub>1-3</sub>O(CH<sub>2</sub>)<sub>0-2</sub>CO, etc.; X = H, OH, F, etc.] which are effective as NMDA NR2B antagonists useful for relieving pain, were prepared E.g., a 2-step synthesis of II, starting with 4-aminomethylpiperidine, was given. The compds. I exhibit IC<sub>50</sub>'s of less than 50 μM in the FLIPR and binding assays, and thus they have been found to exhibit biol. activity as NMDA NR2B antagonists.

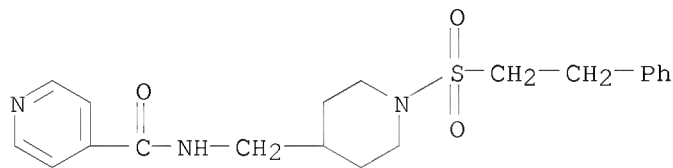
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 471250-36-9P 471250-37-0P 471250-38-1P  
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 471250-42-7P 471250-45-0P 471250-46-1P  
 471250-89-2P 471250-92-7P 471251-27-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-substituted nonaryl heterocyclyl amides as NMDA /NR2B antagonists for relieving pain)

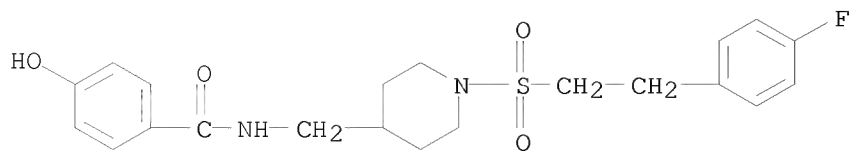
RN 471250-27-8 CAPLUS

CN 4-Pyridinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



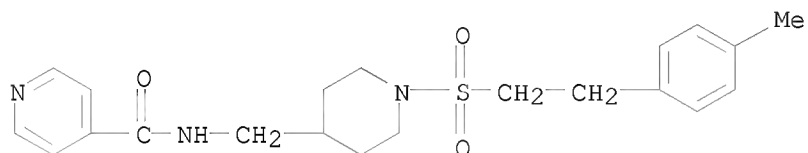
RN 471250-28-9 CAPLUS

CN Benzamide, N-[[1-[[2-(4-fluorophenyl)ethyl)sulfonyl]-4-piperidinyl]methyl]-4-hydroxy- (CA INDEX NAME)



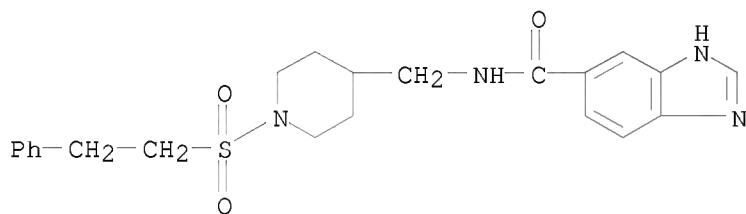
RN 471250-29-0 CAPLUS

CN 4-Pyridinecarboxamide, N-[[1-[[2-(4-methylphenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



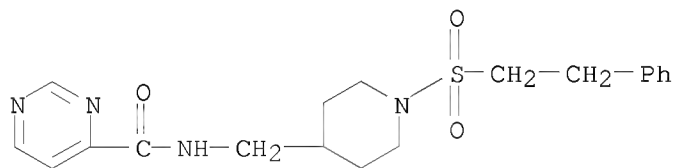
RN 471250-30-3 CAPLUS

CN 1H-Benzimidazole-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



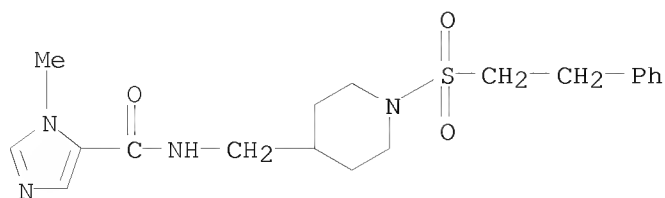
RN 471250-31-4 CAPLUS

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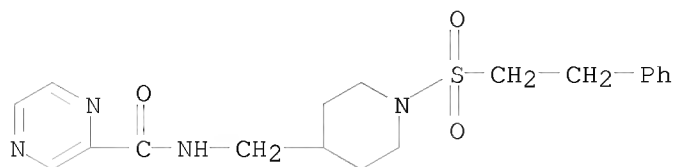
RN 471250-32-5 CAPLUS

CN 1H-Imidazole-5-carboxamide, 1-methyl-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)

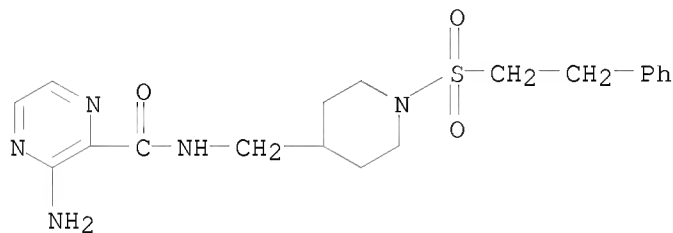




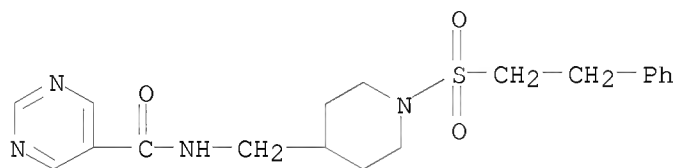
RN 471250-33-6 CAPLUS  
 CN 2-Pyrazinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



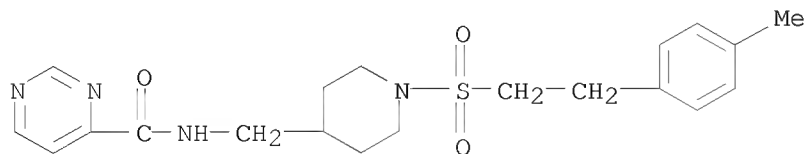
RN 471250-34-7 CAPLUS  
 CN 2-Pyrazinecarboxamide, 3-amino-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



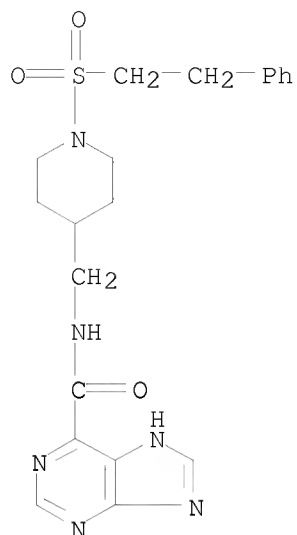
RN 471250-35-8 CAPLUS  
 CN 5-Pyrimidinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 471250-36-9 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[[1-[[2-(4-methylphenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)

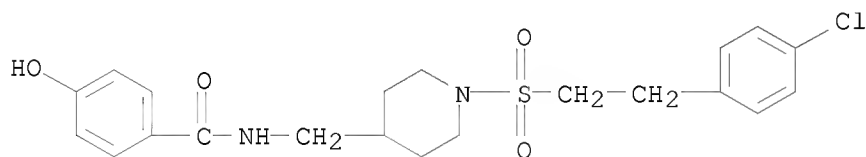


RN 471250-37-0 CAPLUS  
 CN 9H-Purine-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



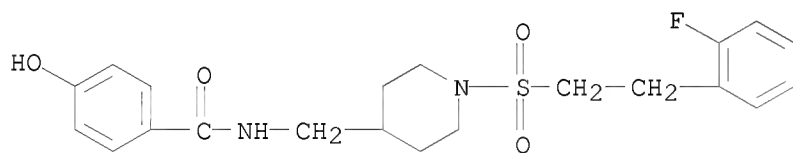
RN 471250-38-1 CAPLUS

CN Benzamide, N-[[1-[[2-(4-chlorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-4-hydroxy- (CA INDEX NAME)



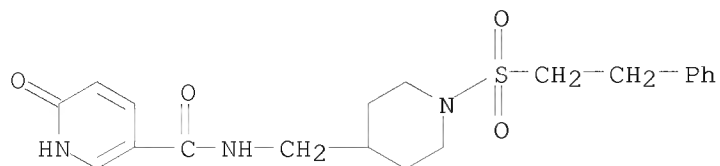
RN 471250-39-2 CAPLUS

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RN 471250-40-5 CAPLUS

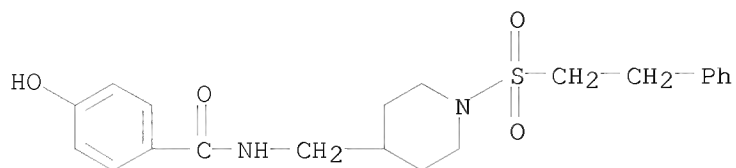
CN 3-Pyridinecarboxamide, 1,6-dihydro-6-oxo-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 471250-41-6 CAPLUS

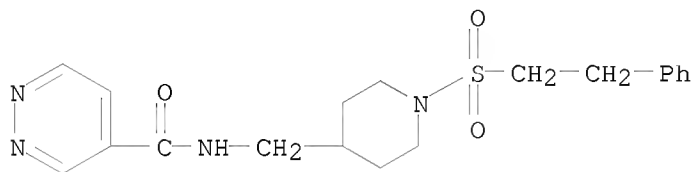
CN Benzamide, 4-hydroxy-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]-

(CA INDEX NAME)



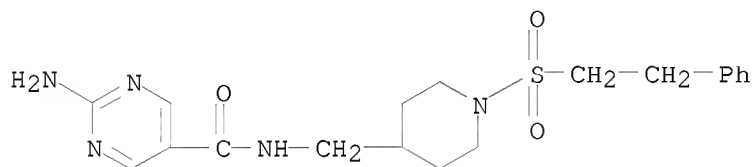
RN 471250-42-7 CAPLUS

CN 4-Pyridazinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



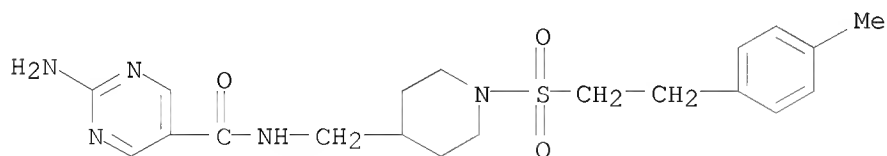
RN 471250-45-0 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-amino-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



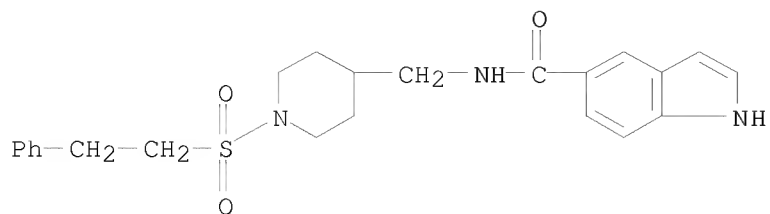
RN 471250-46-1 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-amino-N-[[1-[[2-(4-methylphenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



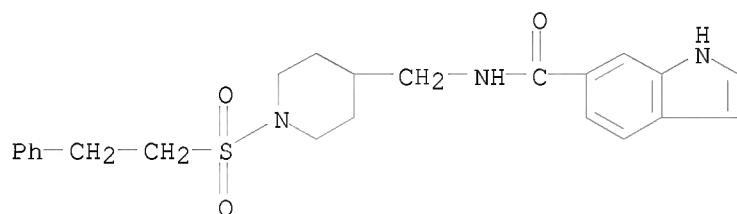
RN 471250-89-2 CAPLUS

CN 1H-Indole-5-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



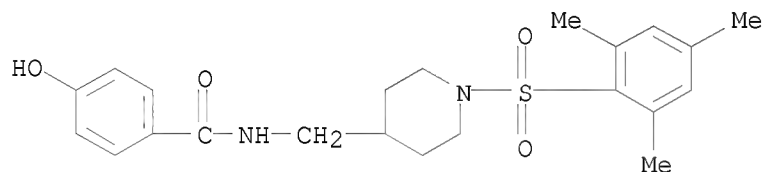
RN 471250-92-7 CAPLUS

CN 1H-Indole-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 471251-27-1 CAPLUS

CN Benzamide, 4-hydroxy-N-[[1-[(2,4,6-trimethylphenyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



IT 455267-19-3P 455267-23-9P 471254-11-2P

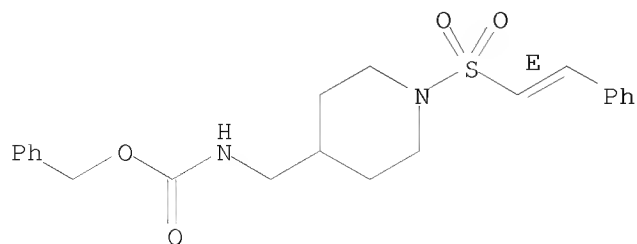
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of N-substituted nonaryl heterocyclyl amides as NMDA /NR2B antagonists for relieving pain)

RN 455267-19-3 CAPLUS

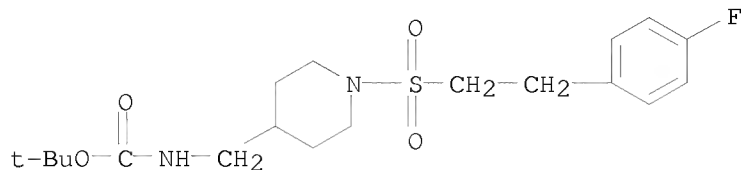
CN Carbamic acid, [[1-[[[(1E)-2-phenylethenyl]sulfonyl]-4-piperidinyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



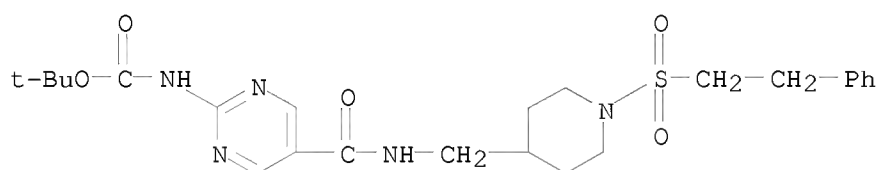
RN 455267-23-9 CAPLUS

CN Carbamic acid, [[1-[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 471254-11-2 CAPLUS

CN Carbamic acid, [5-[[[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]amino]carbonyl]-2-pyrimidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:676010 CAPLUS

DOCUMENT NUMBER: 137:216875

TITLE: Preparation of  
N-acyl-4-(heterocyclylaminomethyl)piperidines as  
NMDA/NR2B antagonists

INVENTOR(S): Claiborne, Christopher F.; Butcher, John W.; Claremon, David A.; Libby, Brian E.; Liverton, Nigel J.; Munson, Peter M.; Nguyen, Kevin T.; Phillips, Brian; Thompson, Wayne; McCauley, John A.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 208 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002068409	A1	20020906	WO 2002-US5226	20020220
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
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CA 2438895	A1	20020906	CA 2002-2438895	20020220
AU 2002252053	A1	20020912	AU 2002-252053	20020220
AU 2002252053	B2	20060914		

US 20020165241	A1	20021107	US 2002-79452	20020220
US 7053089	B2	20060530		
EE 200300403	A	20031215	EE 2003-403	20020220
EP 1379520	A1	20040114	EP 2002-721105	20020220
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HU 2003003258	A2	20040128	HU 2003-3258	20020220
HU 2003003258	A3	20040628		
BR 2002007526	A	20040309	BR 2002-7526	20020220
CN 1503793	A	20040609	CN 2002-808713	20020220
JP 2004524314	T	20040812	JP 2002-567923	20020220
NZ 527365	A	20050826	NZ 2002-527365	20020220
AT 324371	T	20060515	AT 2002-721105	20020220
PT 1379520	T	20060831	PT 2002-721105	20020220
ES 2261658	T3	20061116	ES 2002-721105	20020220
US 20040209889	A1	20041021	US 2003-470561	20030729
US 7217716	B2	20070515		
ZA 2003006159	A	20040705	ZA 2003-6159	20030808
BG 108113	A	20050430	BG 2003-108113	20030819
NO 2003003732	A	20031022	NO 2003-3732	20030822
MX 2003PA07621	A	20031204	MX 2003-PA7621	20030822
IN 2003CN01316	A	20051125	IN 2003-CN1316	20030822
KR 849839	B1	20080801	KR 2003-711079	20030822

PRIORITY APPLN. INFO.:

US 2001-271100P	P	20010223
WO 2002-US5226	W	20020220

OTHER SOURCE(S): MARPAT 137:216875

AB BQ1(X)ANHQ2 [Q1 = 5-7 membered N-containing nonarom. ring, azabicyclooctyl; Q2 = 5-6 membered (substituted) heteroaryl ring; A = alkylene; B = Ar(CH2)0-3O2C, Ar(CH2)0-3SO2, etc.; Ar = (substituted) aryl, heteroaryl; X = H, OH, F, alkyl, alkoxy, NH2, O], were prepared Thus, 1-[(benzyloxy)carbonyl]-4-piperidinecarboxylic acid, 4-aminopyridine, EDC, and HOAt were kept 4 h in DMF to give the amide, which was reduced with BH3.THF to give benzyl 4-[(4-pyridylamino)methyl]-1-piperidinecarboxylate. Title compds. showed IC50's of <50 µM for inhibition of NR1A/2B NMDA receptor activation.

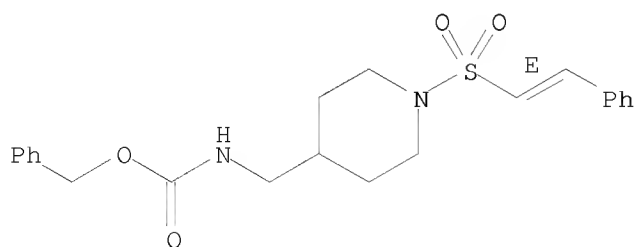
IT 455267-19-3P 455267-23-9P 455267-41-1P  
455267-42-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of N-acyl-4-(heterocyclylaminomethyl)piperidines as NMDA/NR2B antagonists)

RN 455267-19-3 CAPLUS

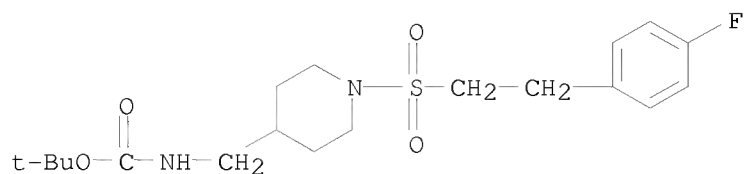
CN Carbamic acid, [[1-[[[(1E)-2-phenylethenyl]sulfonyl]-4-piperidinyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 455267-23-9 CAPLUS

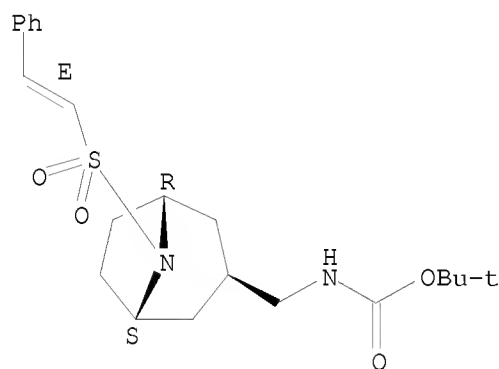
CN Carbamic acid, [[1-[[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 455267-41-1 CAPLUS

CN Carbamic acid, [[[3-exo)-8-[[[(1E)-2-phenylethenyl]sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

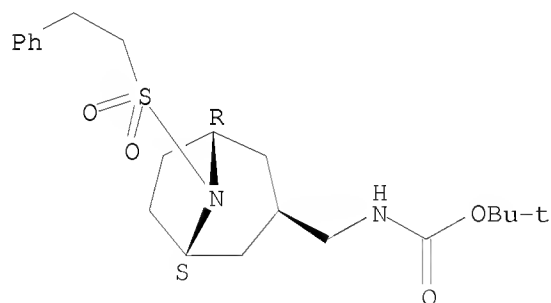
Relative stereochemistry.  
Double bond geometry as shown.



RN 455267-42-2 CAPLUS

CN Carbamic acid, [[[3-exo)-8-[(2-phenylethyl)sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 15 and schizophrenia

63 L5

20172 SCHIZOPHRENIA

39 SCHIZOPHRENIAS

20176 SCHIZOPHRENIA

## (SCHIZOPHRENIA OR SCHIZOPHRENIAS)

L8

12 L5 AND SCHIZOPHRENIA

=&gt; d ibib abs hitstr 12

L8 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:676010 CAPLUS

DOCUMENT NUMBER: 137:216875

TITLE: Preparation of  
N-acyl-4-(heterocyclylaminomethyl)piperidines as  
NMDA/NR2B antagonistsINVENTOR(S): Claiborne, Christopher F.; Butcher, John W.; Claremon,  
David A.; Libby, Brian E.; Liverton, Nigel J.; Munson,  
Peter M.; Nguyen, Kevin T.; Phillips, Brian; Thompson,  
Wayne; McCauley, John A.

PATENT ASSIGNEE(S): Merck &amp; Co., Inc., USA

SOURCE: PCT Int. Appl., 208 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002068409	A1	20020906	WO 2002-US5226	20020220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2438895	A1	20020906	CA 2002-2438895	20020220
AU 2002252053	A1	20020912	AU 2002-252053	20020220
AU 2002252053	B2	20060914		
US 20020165241	A1	20021107	US 2002-79452	20020220
US 7053089	B2	20060530		
EE 200300403	A	20031215	EE 2003-403	20020220
EP 1379520	A1	20040114	EP 2002-721105	20020220
EP 1379520	B1	20060426		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003003258	A2	20040128	HU 2003-3258	20020220
HU 2003003258	A3	20040628		
BR 2002007526	A	20040309	BR 2002-7526	20020220
CN 1503793	A	20040609	CN 2002-808713	20020220
JP 2004524314	T	20040812	JP 2002-567923	20020220
NZ 527365	A	20050826	NZ 2002-527365	20020220
AT 324371	T	20060515	AT 2002-721105	20020220
PT 1379520	T	20060831	PT 2002-721105	20020220
ES 2261658	T3	20061116	ES 2002-721105	20020220
US 20040209889	A1	20041021	US 2003-470561	20030729
US 7217716	B2	20070515		
ZA 2003006159	A	20040705	ZA 2003-6159	20030808
BG 108113	A	20050430	BG 2003-108113	20030819
NO 2003003732	A	20031022	NO 2003-3732	20030822
MX 2003PA07621	A	20031204	MX 2003-PA7621	20030822
IN 2003CN01316	A	20051125	IN 2003-CN1316	20030822
KR 849839	B1	20080801	KR 2003-711079	20030822



PRIORITY APPLN. INFO.:

US 2001-271100P

P 20010223

WO 2002-US5226

W 20020220

OTHER SOURCE(S): MARPAT 137:216875

AB BQ1(X)ANHQ2 [Q1 = 5-7 membered N-containing nonarom. ring, azabicyclooctyl; Q2 = 5-6 membered (substituted) heteroaryl ring; A = alkylene; B = Ar(CH<sub>2</sub>)<sub>0-3</sub>O<sub>2</sub>C, Ar(CH<sub>2</sub>)<sub>0-3</sub>SO<sub>2</sub>, etc.; Ar = (substituted) aryl, heteroaryl; X = H, OH, F, alkyl, alkoxy, NH<sub>2</sub>, O], were prepared Thus, 1-[(benzyloxy)carbonyl]-4-piperidinecarboxylic acid, 4-aminopyridine, EDC, and HOAt were kept 4 h in DMF to give the amide, which was reduced with BH<sub>3</sub>.THF to give benzyl 4-[(4-pyridylamino)methyl]-1-piperidinecarboxylate. Title compds. showed IC<sub>50</sub>'s of <50 μM for inhibition of NR1A/2B NMDA receptor activation.

IT 455267-19-3P 455267-23-9P 455267-41-1P

455267-42-2P

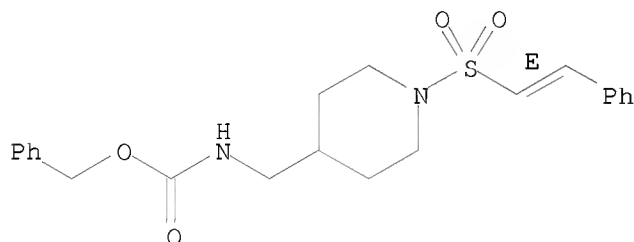
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of N-acyl-4-(heterocyclylaminomethyl)piperidines as NMDA/NR2B antagonists)

RN 455267-19-3 CAPLUS

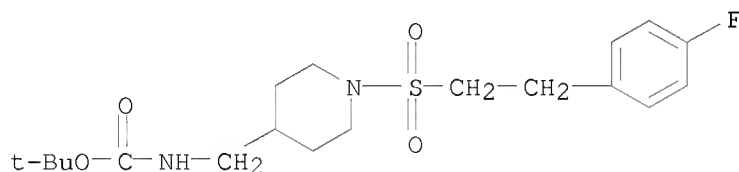
CN Carbamic acid, [[1-[[[(1E)-2-phenylethenyl]sulfonyl]-4-piperidinyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 455267-23-9 CAPLUS

CN Carbamic acid, [[1-[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

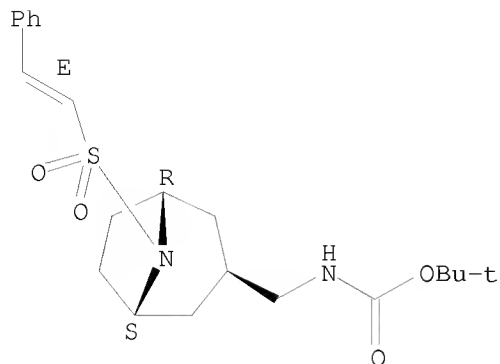


RN 455267-41-1 CAPLUS

CN Carbamic acid, [[(3-exo)-8-[[[(1E)-2-phenylethenyl]sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

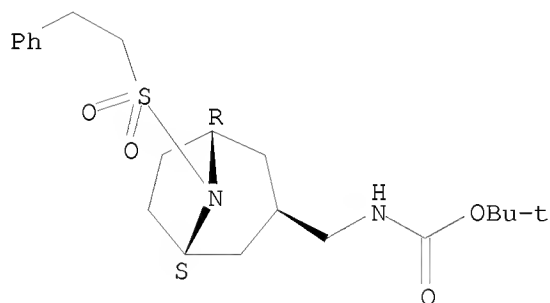
Relative stereochemistry.

Double bond geometry as shown.



RN 455267-42-2 CAPLUS  
 CN Carbamic acid, [[[3-exo)-8-[(2-phenylethyl)sulfonyl]-8-azabicyclo[3.2.1]oct-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs hitstr 11

L8 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:793427 CAPLUS  
 DOCUMENT NUMBER: 137:310932  
 TITLE: Preparation of N-substituted nonaryl heterocyclyl amides as NMDA/NR2B antagonists for relieving pain  
 INVENTOR(S): Liverton, Nigel J.; Butcher, John W.; McIntyre, Charles J.; Claiborne, Christopher F.; Claremon, David A.; McCauley, James A.; Romano, Joseph J.; Thompson, Wayne; Munson, Peter M.  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 270 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002080928	A1	20021017	WO 2002-US10269	20020402

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

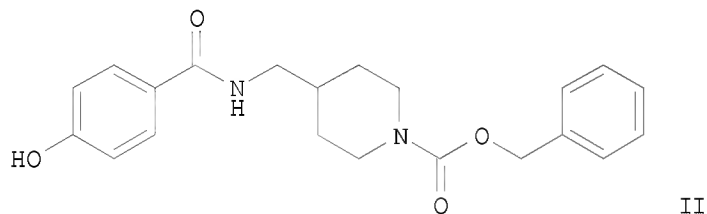
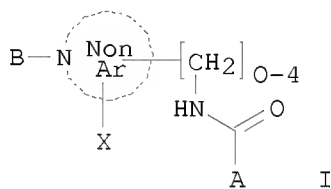
CA 2443108	A1	20021017	CA 2002-2443108	20020402
AU 2002338334	A1	20021021	AU 2002-338334	20020402
AU 2002338334	B2	20080814		
US 20030119811	A1	20030626	US 2002-114685	20020402
US 7259157	B2	20070821		
EP 1390034	A1	20040225	EP 2002-763896	20020402

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2005511478	T	20050428	JP 2002-578967	20020402
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PRIORITY APPLN. INFO.: US 2001-281166P P 20010403  
WO 2002-US10269 W 20020402

OTHER SOURCE(S): MARPAT 137:310932  
GI



AB The title compds. [I; NonAr = nonarom. 5-7 membered containing heteroatoms; A = (un)substituted Ph, pyrrolyl, imidazolyl, etc.; B = aryl(CH<sub>2</sub>)<sub>0-3</sub>(CH<sub>2</sub>)<sub>0-2</sub>CO, heteroaryl(CH<sub>2</sub>)<sub>1-30</sub>(CH<sub>2</sub>)<sub>0-2</sub>CO, etc.; X = H, OH, F, etc.] which are effective as NMDA NR2B antagonists useful for relieving pain, were prepared E.g., a 2-step synthesis of II, starting with 4-aminomethylpiperidine, was given. The compds. I exhibit IC<sub>50</sub>'s of less than 50  $\mu$ M in the FLIPR and binding assays, and thus they have been found to exhibit biol. activity as NMDA NR2B antagonists.

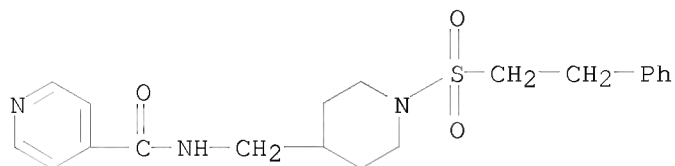
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471250-36-9P 471250-37-0P 471250-38-1P  
471250-39-2P 471250-40-5P 471250-41-6P  
471250-42-7P 471250-45-0P 471250-46-1P  
471250-89-2P 471250-92-7P 471251-27-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-substituted nonaryl heterocyclyl amides as NMDA/NR2B antagonists for relieving pain)

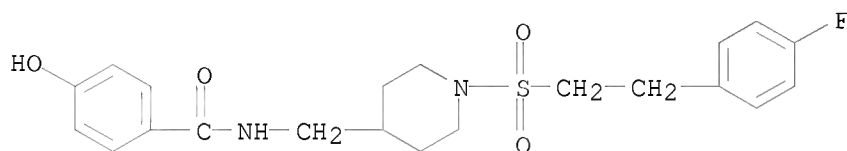
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CN 4-Pyridinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



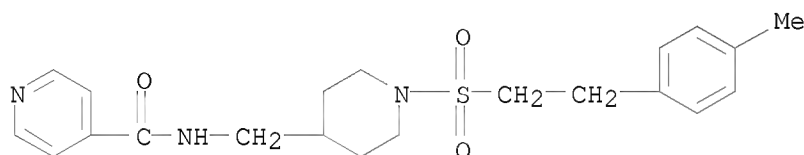
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CN Benzamide, N-[[1-[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-4-hydroxy- (CA INDEX NAME)



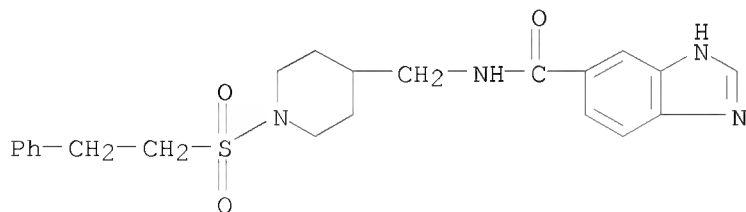
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CN 4-Pyridinecarboxamide, N-[[1-[[2-(4-methylphenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



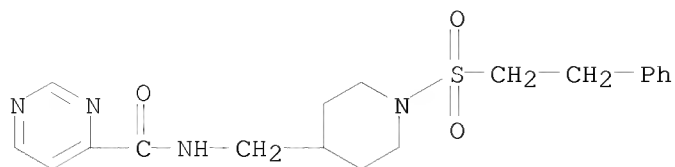
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CN 1H-Benzimidazole-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



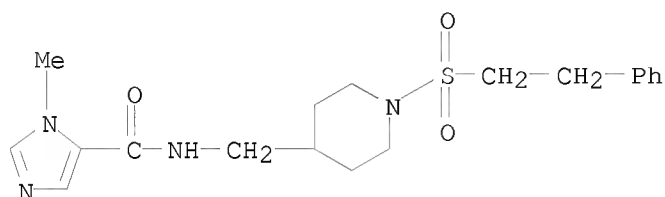
RN 471250-31-4 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



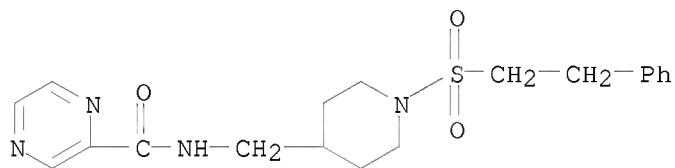
RN 471250-32-5 CAPLUS

CN 1H-Imidazole-5-carboxamide, 1-methyl-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



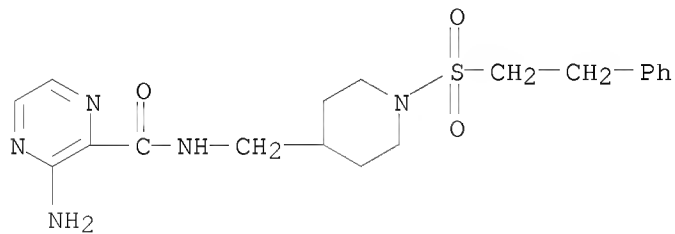
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CN 2-Pyrazinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



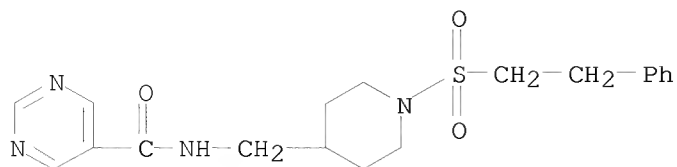
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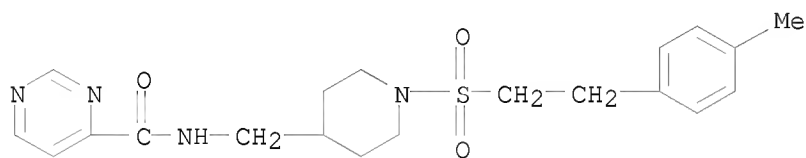
RN 471250-35-8 CAPLUS

CN 5-Pyrimidinecarboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



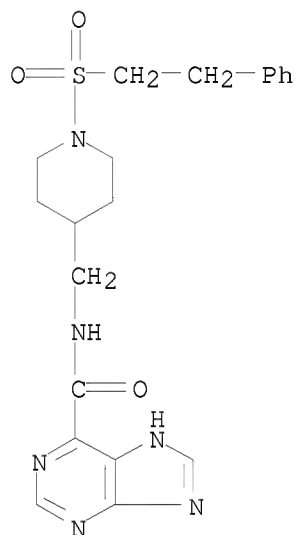
RN 471250-36-9 CAPLUS

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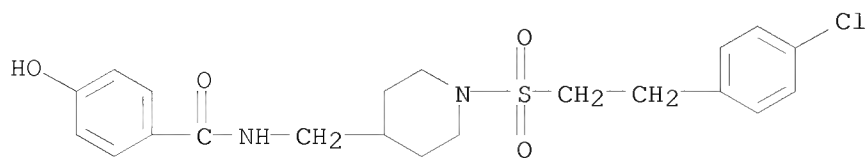
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CN 9H-Purine-6-carboxamide, N-[[1-[[2-(4-methylphenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



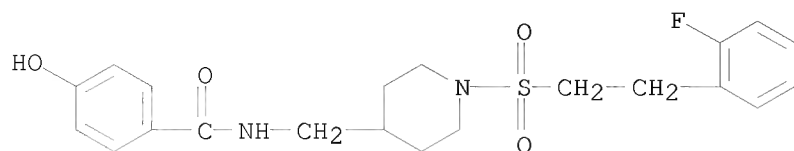
RN 471250-38-1 CAPLUS

CN Benzamide, N-[[1-[[2-(4-chlorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-4-hydroxy- (CA INDEX NAME)



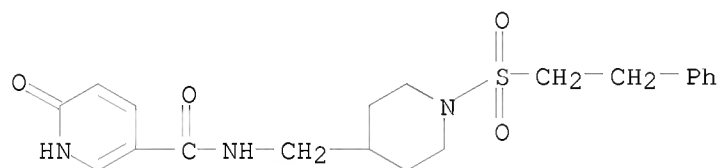
RN 471250-39-2 CAPLUS

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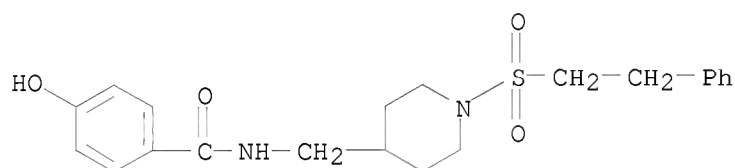
RN 471250-40-5 CAPLUS

CN 3-Pyridinecarboxamide, 1,6-dihydro-6-oxo-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



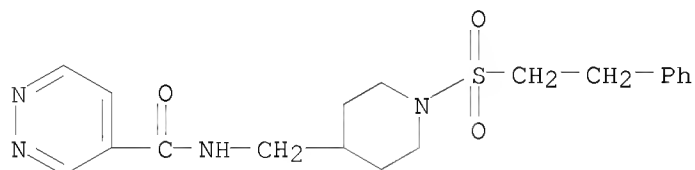
RN 471250-41-6 CAPLUS

CN Benzamide, 4-hydroxy-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



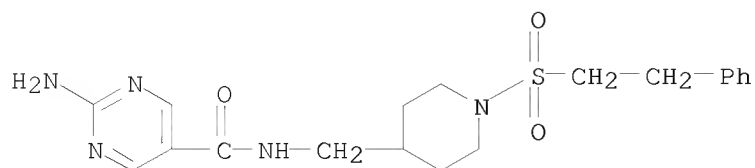
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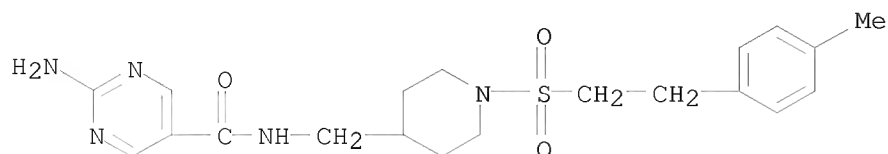


RN 471250-45-0 CAPLUS

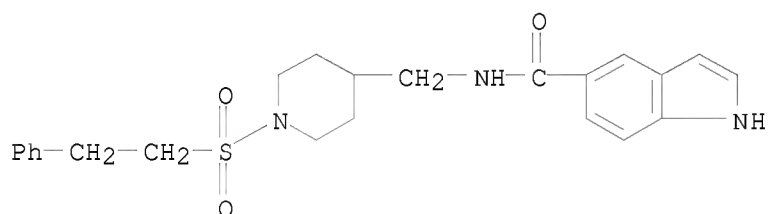
CN 5-Pyrimidinecarboxamide, 2-amino-N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



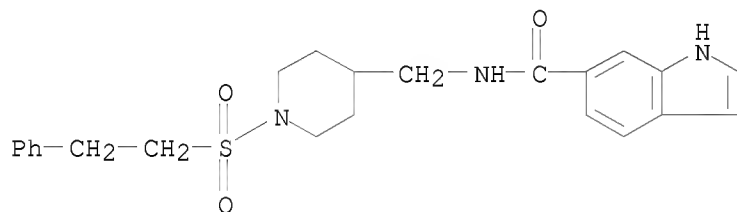
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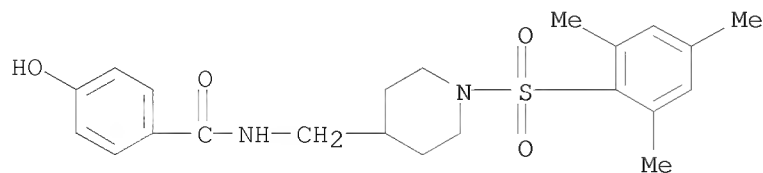
RN 471250-89-2 CAPLUS  
 CN 1H-Indole-5-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 471250-92-7 CAPLUS  
 CN 1H-Indole-6-carboxamide, N-[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 471251-27-1 CAPLUS  
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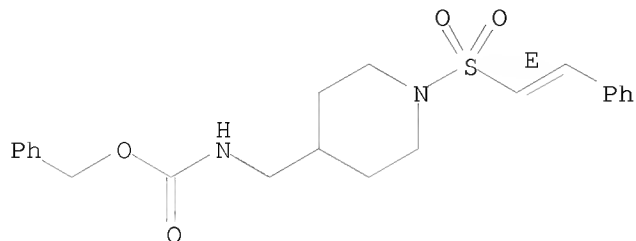
IT 455267-19-3P 455267-23-9P 471254-11-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of N-substituted nonaryl heterocyclyl amides as NMDA/NR2B antagonists for relieving pain)



RN 455267-19-3 CAPLUS

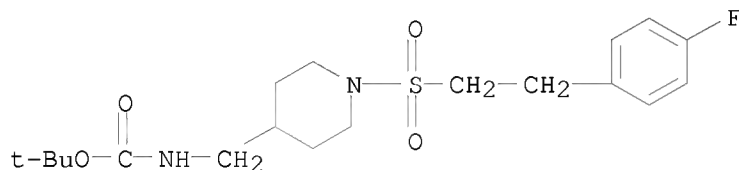
CN Carbamic acid, [[1-[[[(1E)-2-phenylethenyl]sulfonyl]-4-piperidinyl]methyl]-phenylmethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



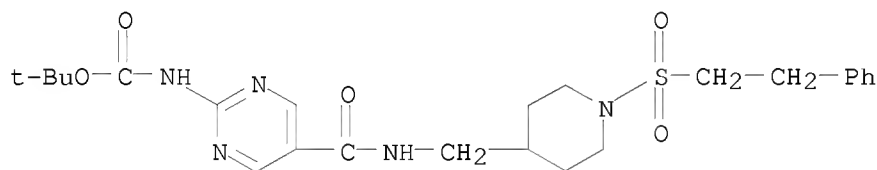
RN 455267-23-9 CAPLUS

CN Carbamic acid, [[1-[[[2-(4-fluorophenyl)ethyl]sulfonyl]-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 471254-11-2 CAPLUS

CN Carbamic acid, [5-[[[[1-[(2-phenylethyl)sulfonyl]-4-piperidinyl]methyl]amino]carbonyl]-2-pyrimidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs hitstr 10

L8 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:451128 CAPLUS

DOCUMENT NUMBER: 142:476263

TITLE: 4-Phenylpiperidine derivative glycine transporter inhibitors for the treatment of neurological and psychiatric disorders

INVENTOR(S): Lindsley, Craig W.; Wisnoski, David D.; Zhao, Zhijian

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 76 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005046601	A2	20050526	WO 2004-US37359	20041110
WO 2005046601	A3	20050818		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2004289290	A1	20050526	AU 2004-289290	20041110
CA 2544981	A1	20050526	CA 2004-2544981	20041110
EP 1684759	A2	20060802	EP 2004-810610	20041110
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CN 1878551	A	20061213	CN 2004-80033295	20041110
JP 2007512251	T	20070517	JP 2006-539749	20041110
IN 2006DN01895	A	20070615	IN 2006-DN1895	20060407
US 20070105902	A1	20070510	US 2006-579261	20060511
PRIORITY APPLN. INFO.:			US 2003-519348P	P 20031112
			WO 2004-US37359	W 20041110

OTHER SOURCE(S): MARPAT 142:476263

AB The invention discloses 4-phenylpiperidine derivs. that inhibit the glycine transporter GlyT1 and which are useful in the treatment of neurol. and psychiatric disorders associated with glycinergic or glutamatergic neurotransmission dysfunction and diseases in which the glycine transporter GlyT1 is involved. Compound preparation is described.

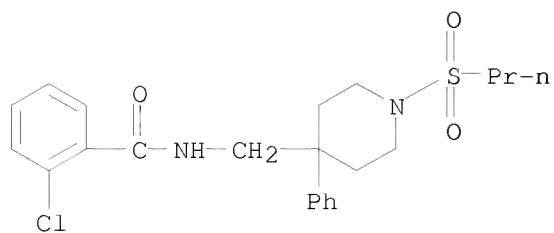
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852029-69-7P 852029-73-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(phenylpiperidine derivative glycine transporter inhibitors for treatment of neurol. and psychiatric disorders)

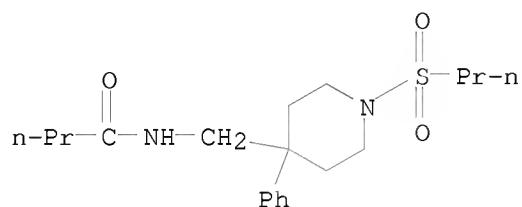
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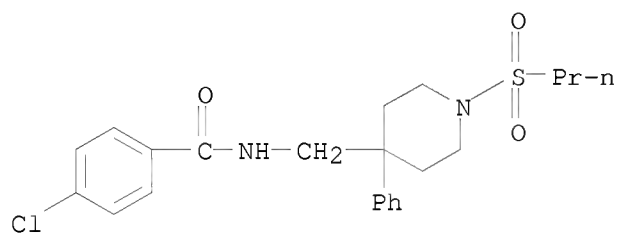
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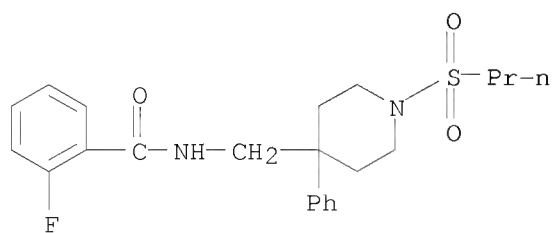
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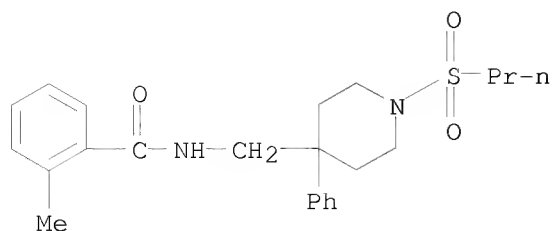
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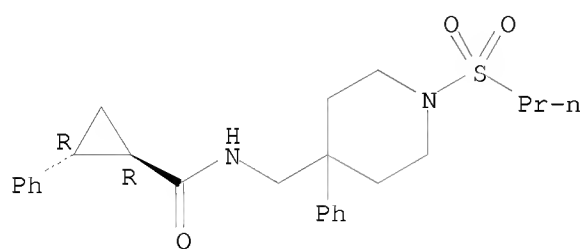
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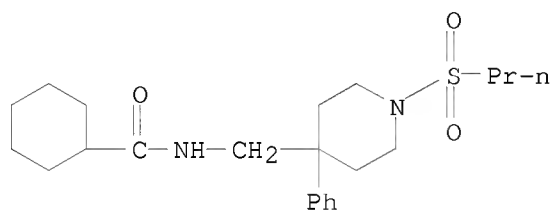
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Relative stereochemistry.



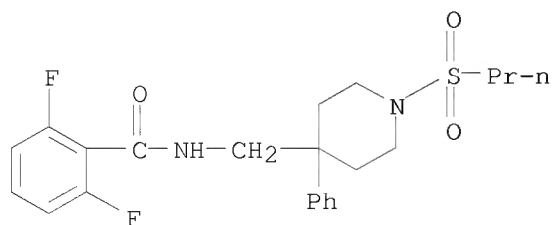
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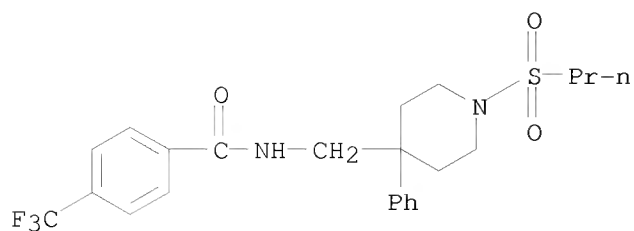
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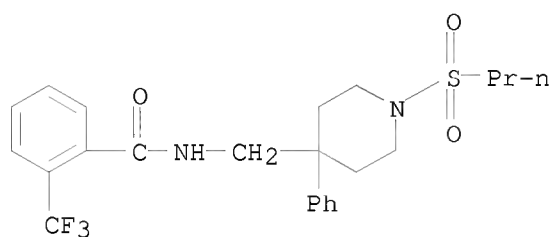
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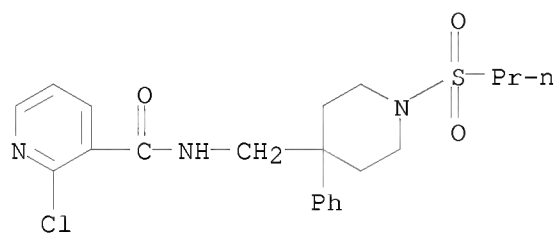
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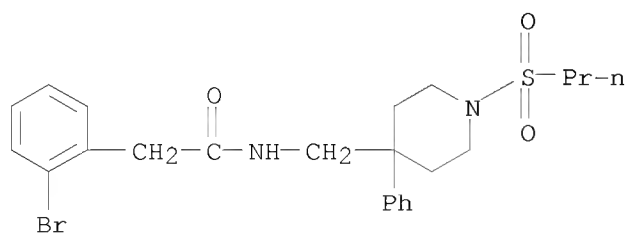
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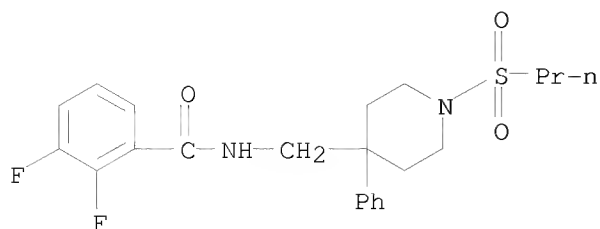
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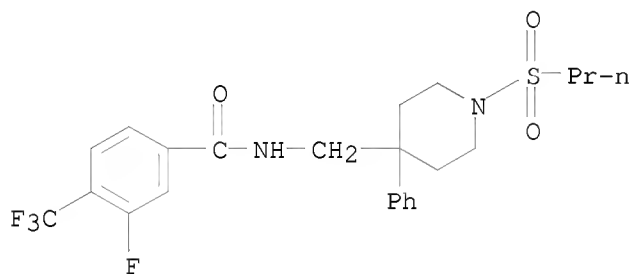
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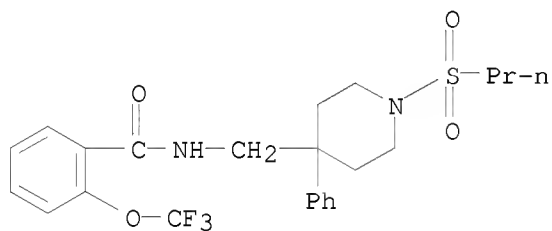
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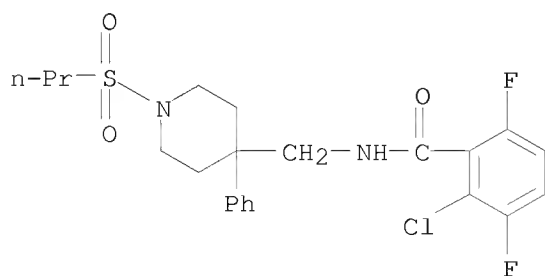
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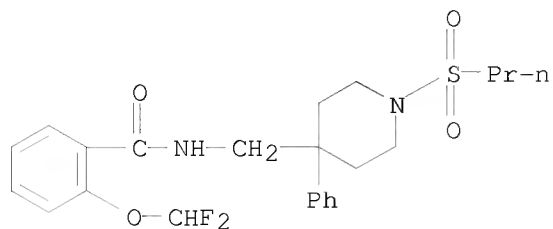
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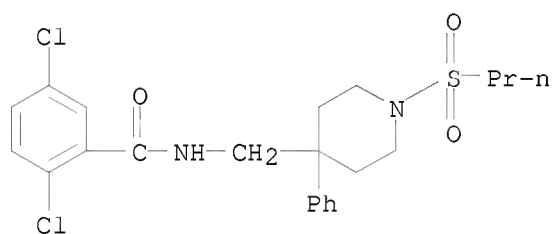
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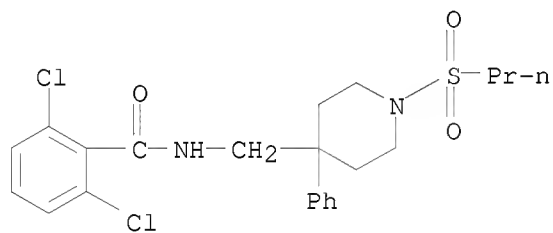
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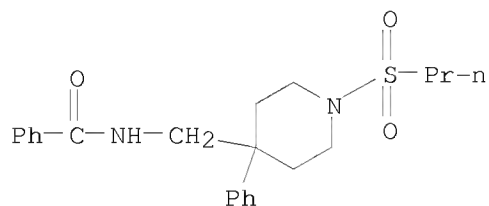
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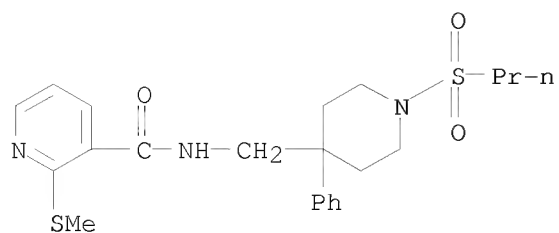
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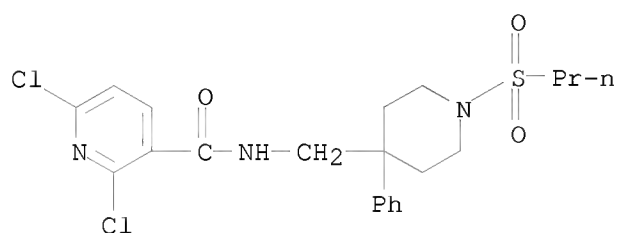
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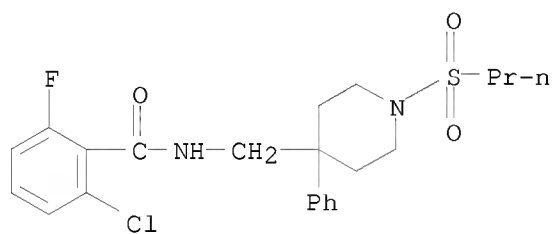
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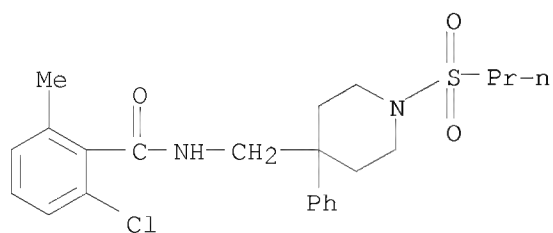
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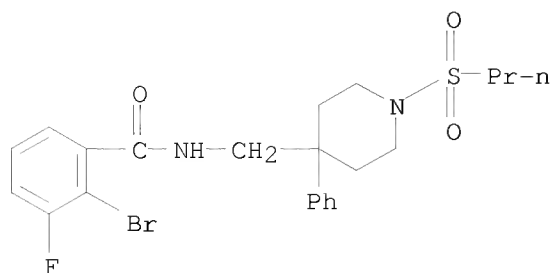
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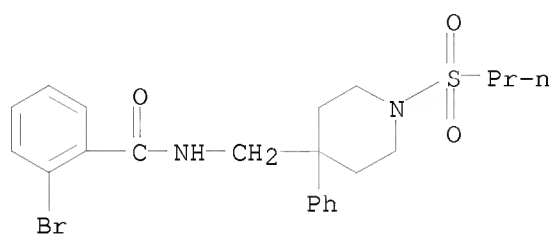
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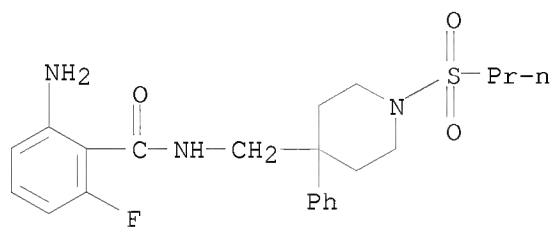
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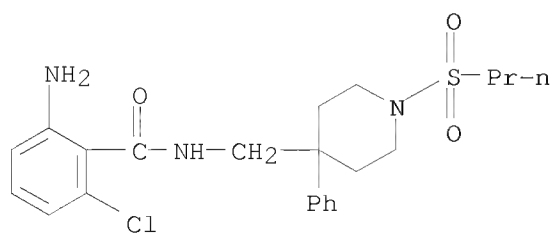
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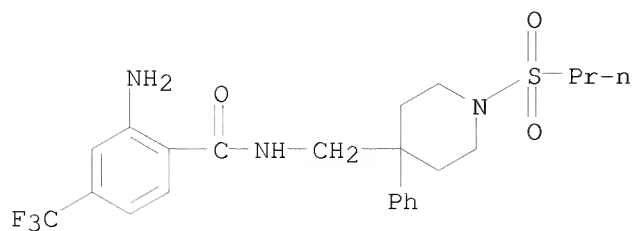
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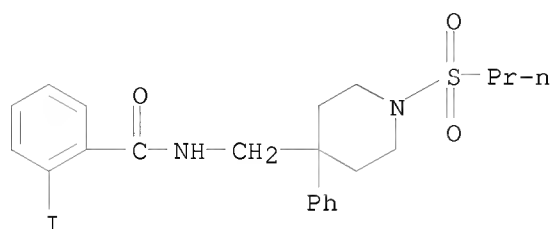
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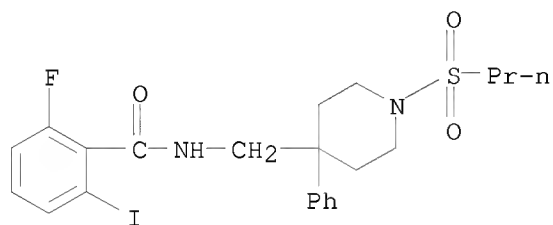
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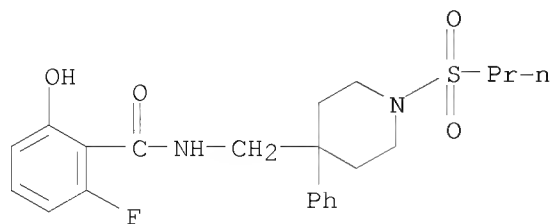
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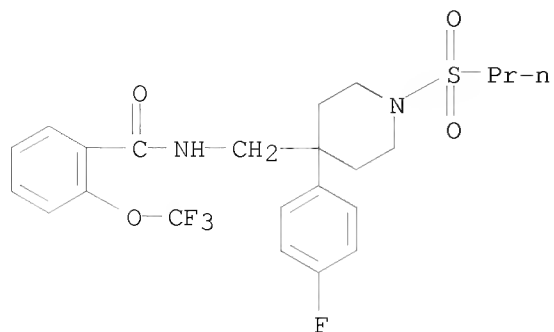
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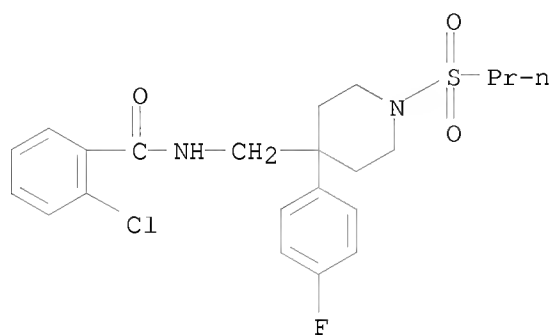
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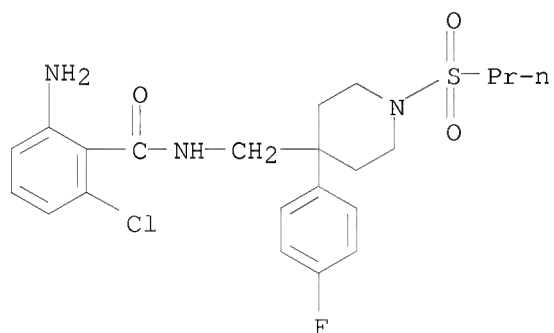
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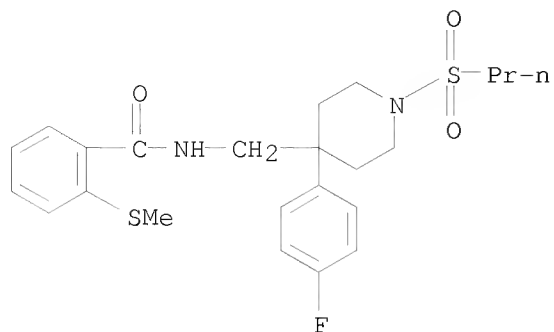
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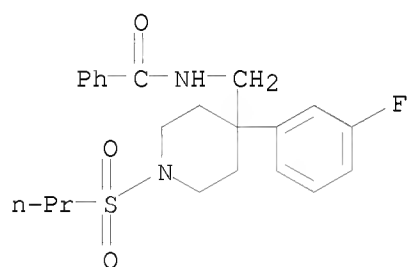
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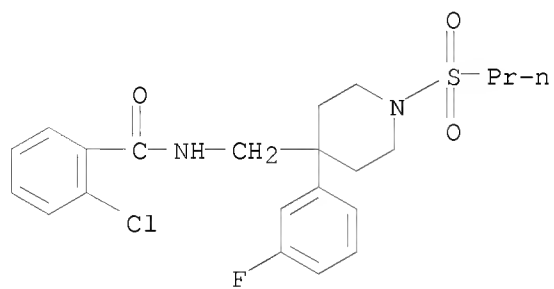
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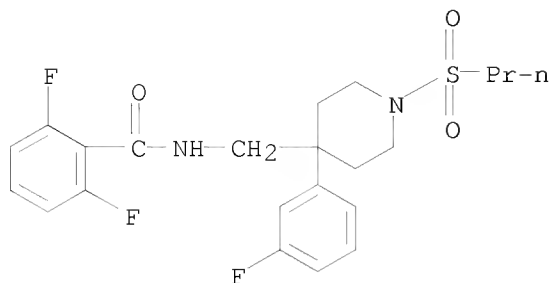
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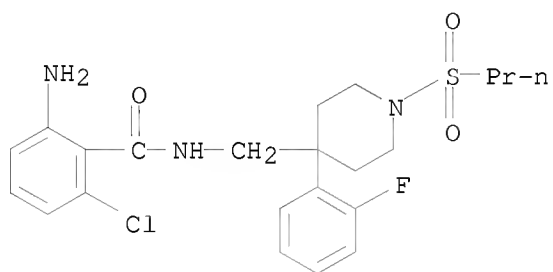
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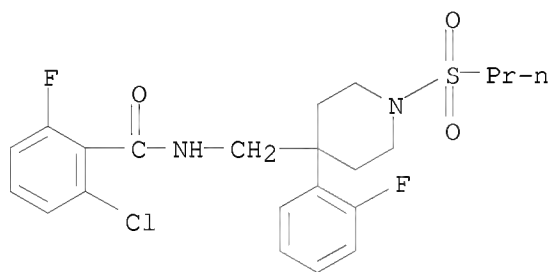
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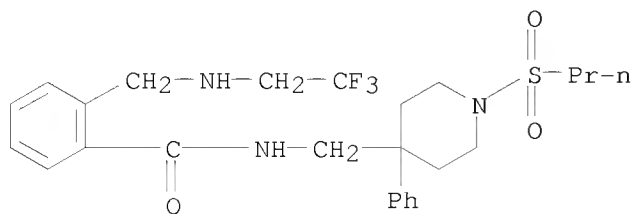
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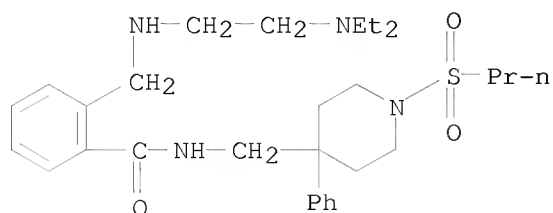


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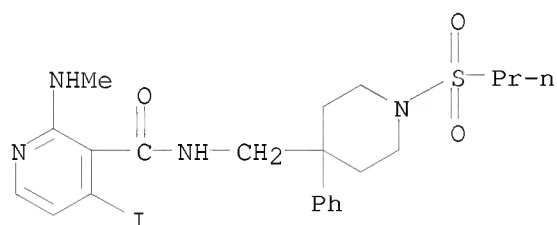
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RN 852029-69-7 CAPLUS  
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RN 852029-73-3 CAPLUS  
 CN 3-Pyridinecarboxamide, 4-iodo-2-(methylamino)-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



=> s 15 and glycine  
 63 L5  
 170626 GLYCINE  
 2668 GLYCINES  
 171897 GLYCINE  
 (GLYCINE OR GLYCINES)  
 L9 10 L5 AND GLYCINE

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L9 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:451128 CAPLUS  
 DOCUMENT NUMBER: 142:476263  
 TITLE: 4-Phenylpiperidine derivative glycine transporter inhibitors for the treatment of neurological and psychiatric disorders  
 INVENTOR(S): Lindsley, Craig W.; Wisnoski, David D.; Zhao, Zhijian  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 76 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005046601	A2	20050526	WO 2004-US37359	20041110
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 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
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 JP 2007512251 T 20070517 JP 2006-539749 20041110  
 IN 2006DN01895 A 20070615 IN 2006-DN1895 20060407  
 US 20070105902 A1 20070510 US 2006-579261 20060511  
 PRIORITY APPLN. INFO.: US 2003-519348P P 20031112  
 WO 2004-US37359 W 20041110

OTHER SOURCE(S): MARPAT 142:476263

AB The invention discloses 4-phenylpiperidine derivs. that inhibit the  
 glycine transporter GlyT1 and which are useful in the treatment of  
 neurol. and psychiatric disorders associated with glycinergic or  
 glutamatergic neurotransmission dysfunction and diseases in which the  
 glycine transporter GlyT1 is involved. Compound preparation is  
 described.

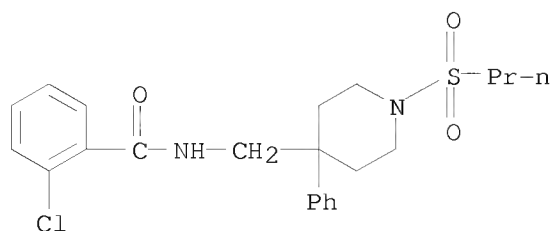
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

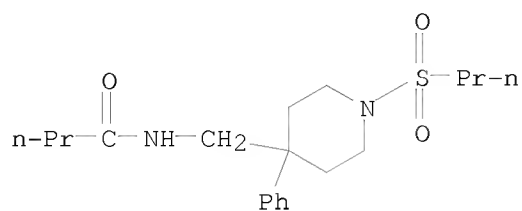
(phenylpiperidine derivative glycine transporter inhibitors for  
 treatment of neurol. and psychiatric disorders)

RN 852029-09-5 CAPLUS

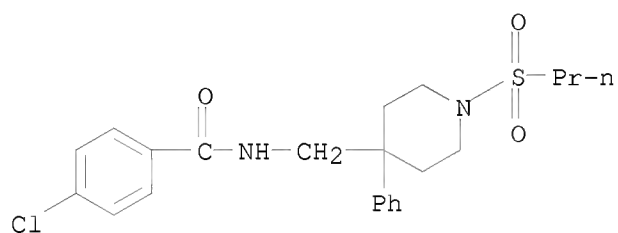
CN Benzamide, 2-chloro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-  
 (CA INDEX NAME)



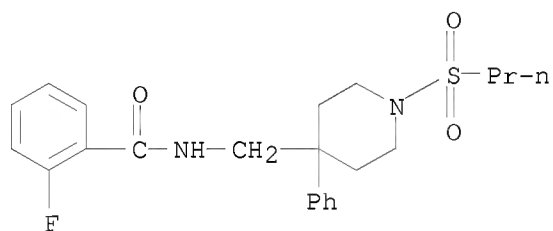
RN 852029-10-8 CAPLUS  
 CN Butanamide, N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



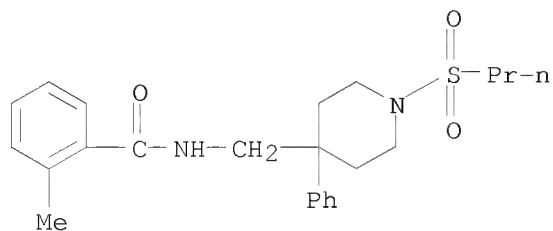
RN 852029-11-9 CAPLUS  
 CN Benzamide, 4-chloro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 852029-12-0 CAPLUS  
 CN Benzamide, 2-fluoro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 852029-13-1 CAPLUS  
 CN Benzamide, 2-methyl-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)

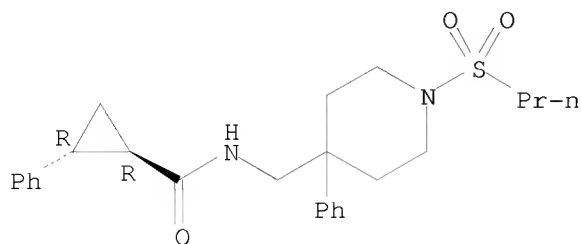


RN 852029-14-2 CAPLUS  
 CN Cyclopropanecarboxamide, 2-phenyl-N-[[4-phenyl-1-(propylsulfonyl)-4-



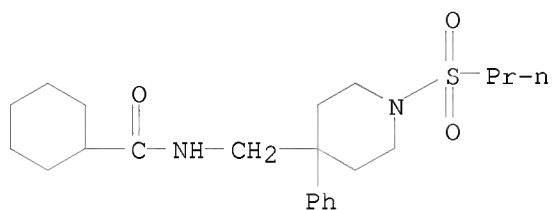
piperidinyl)methyl]-, (1R,2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



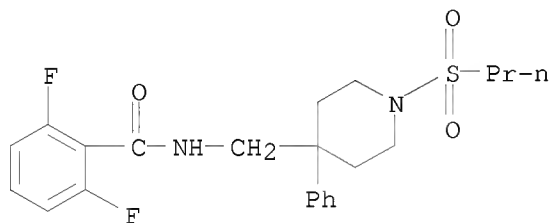
RN 852029-15-3 CAPLUS

CN Cyclohexanecarboxamide, N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



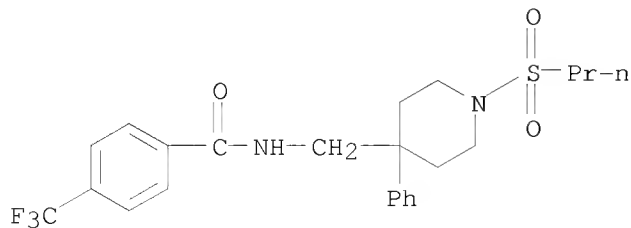
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CN Benzamide, 2,6-difluoro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



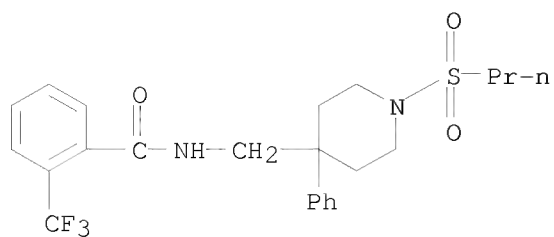
RN 852029-17-5 CAPLUS

CN Benzamide, N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-4-(trifluoromethyl)- (CA INDEX NAME)



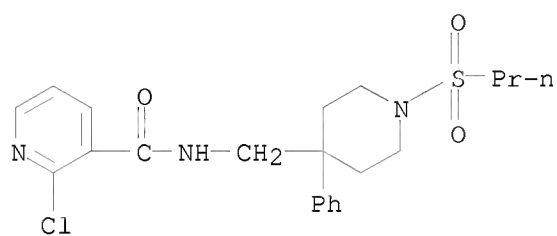
RN 852029-18-6 CAPLUS

CN Benzamide, N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-2-(trifluoromethyl)- (CA INDEX NAME)



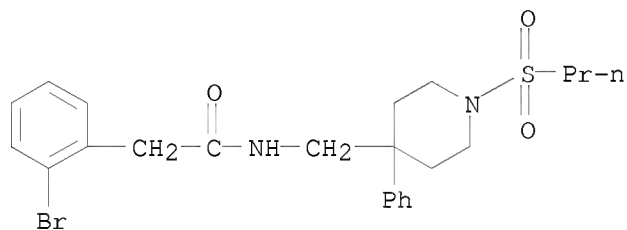
RN 852029-19-7 CAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



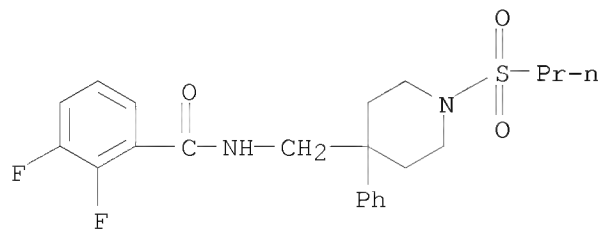
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CN Benzeneacetamide, 2-bromo-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



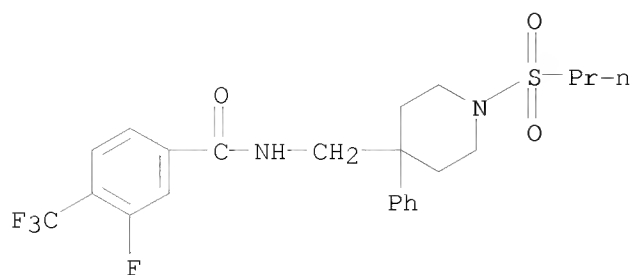
RN 852029-21-1 CAPLUS

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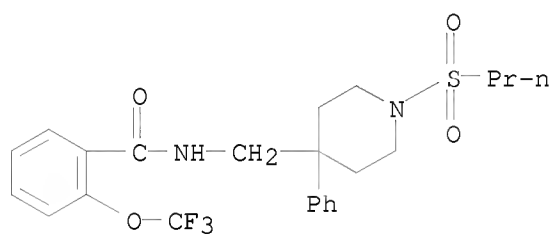
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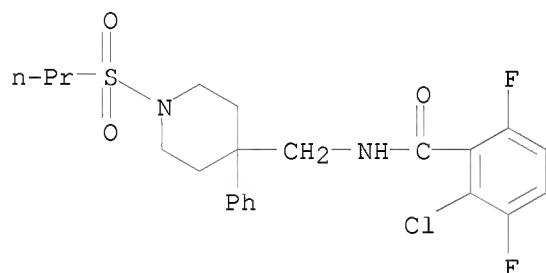
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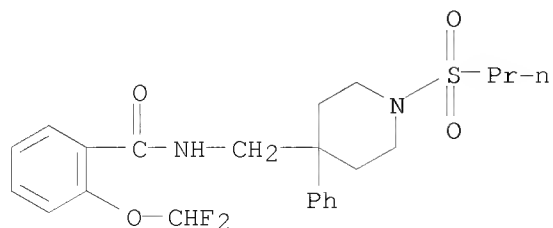
RN 852029-24-4 CAPLUS

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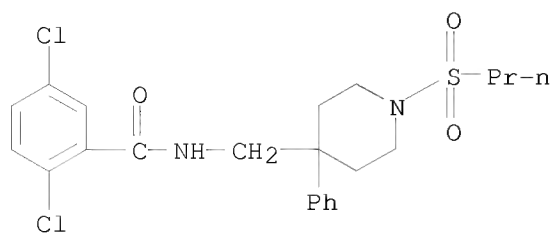
RN 852029-25-5 CAPLUS

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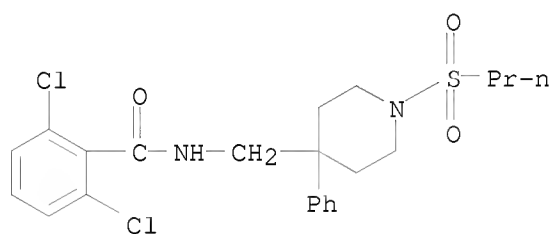
RN 852029-26-6 CAPLUS

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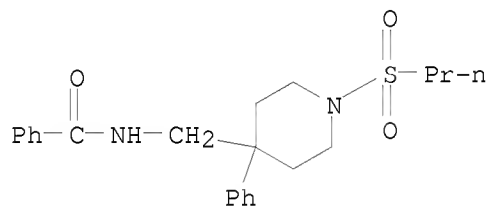
RN 852029-27-7 CAPLUS

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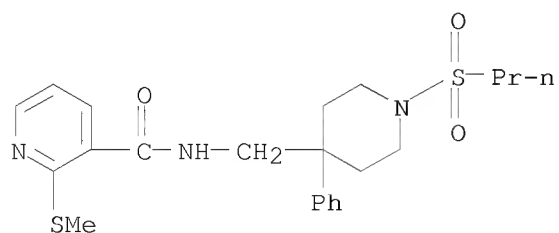
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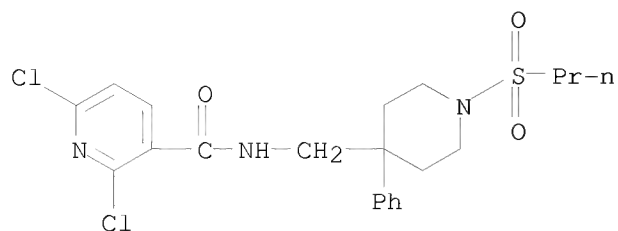
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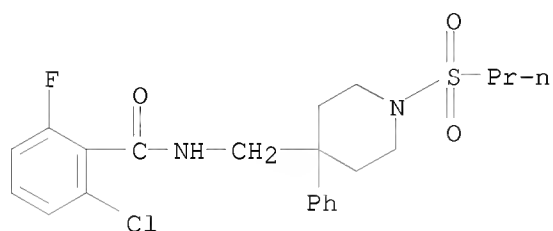
RN 852029-30-2 CAPLUS

CN 3-Pyridinecarboxamide, 2,6-dichloro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



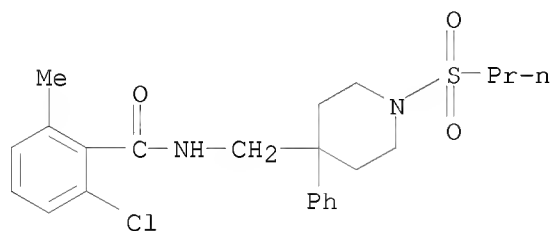
RN 852029-31-3 CAPLUS

CN Benzamide, 2-chloro-6-fluoro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



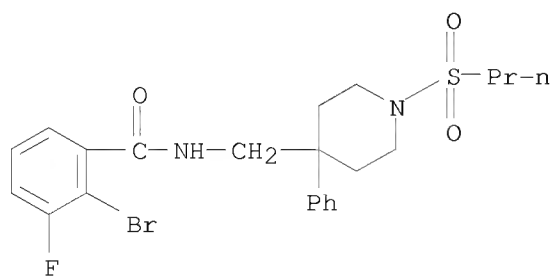
RN 852029-32-4 CAPLUS

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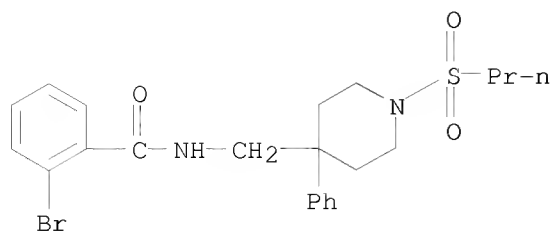
RN 852029-33-5 CAPLUS

CN Benzamide, 2-bromo-3-fluoro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



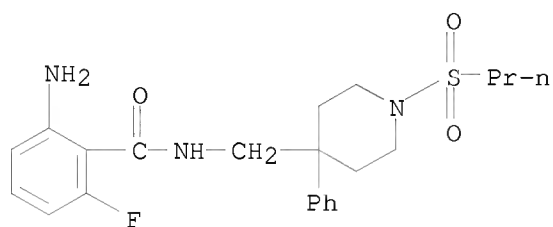
RN 852029-35-7 CAPLUS

CN Benzamide, 2-bromo-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



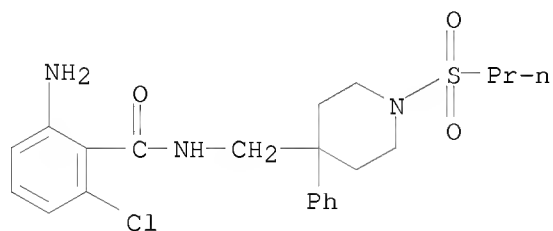
RN 852029-36-8 CAPLUS

CN Benzamide, 2-amino-6-fluoro-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



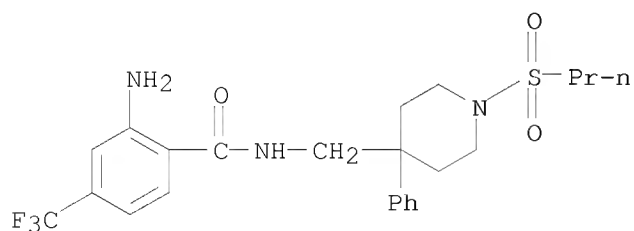
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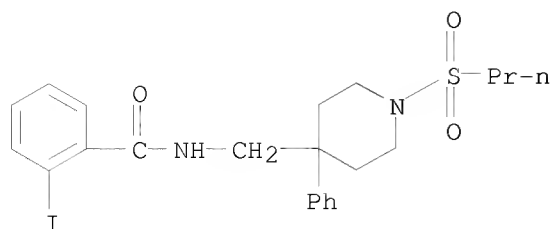
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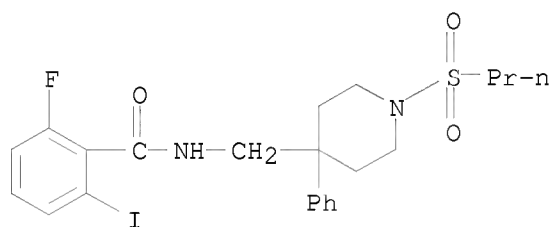
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CN Benzamide, 2-amino-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-4-iodo- (CA INDEX NAME)



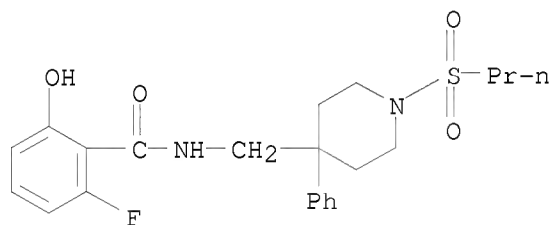
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CN Benzamide, 2-fluoro-6-iodo-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



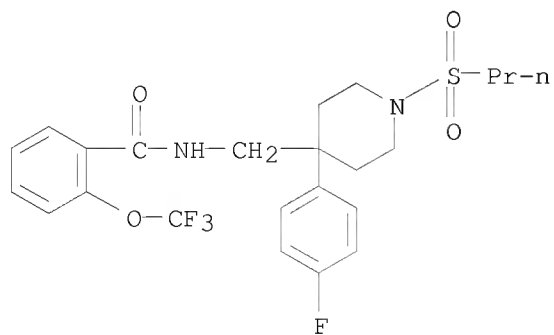
RN 852029-49-3 CAPLUS

CN Benzamide, 2-fluoro-6-hydroxy-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 852029-53-9 CAPLUS

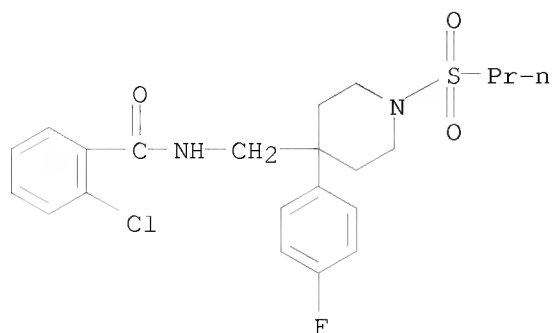
CN Benzamide, N-[[4-(4-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl]methyl]-2-(trifluoromethoxy)- (CA INDEX NAME)



RN 852029-54-0 CAPLUS

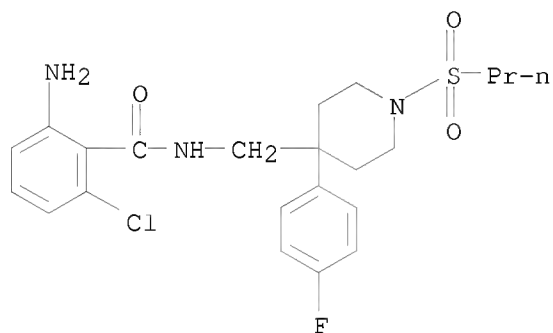
CN Benzamide, 2-chloro-N-[[4-(4-fluorophenyl)-1-(propylsulfonyl)-4-

piperidinyl)methyl]- (CA INDEX NAME)



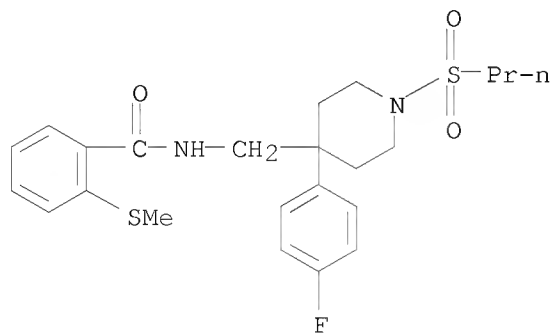
RN 852029-55-1 CAPLUS

CN Benzamide, 2-amino-6-chloro-N-[[4-(4-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl)methyl]- (CA INDEX NAME)



RN 852029-56-2 CAPLUS

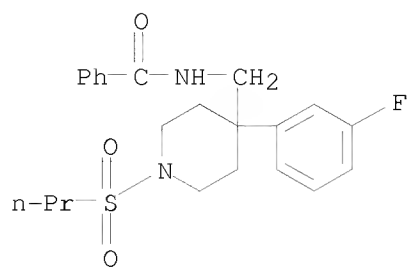
CN Benzamide, N-[[4-(4-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl)methyl]-2-(methylthio)- (CA INDEX NAME)



RN 852029-63-1 CAPLUS

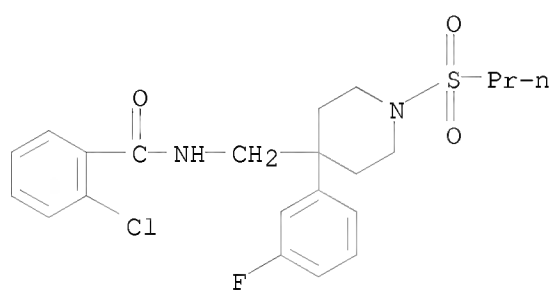
CN Benzamide, N-[[4-(3-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl)methyl]- (CA INDEX NAME)





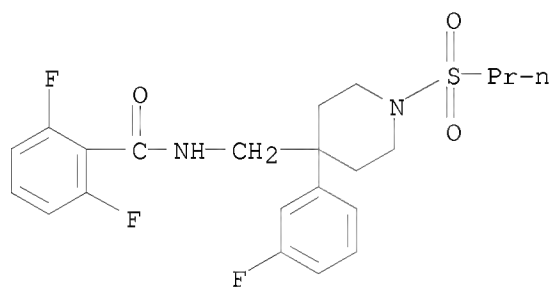
RN 852029-64-2 CAPLUS

CN Benzamide, 2-chloro-N-[[4-(3-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



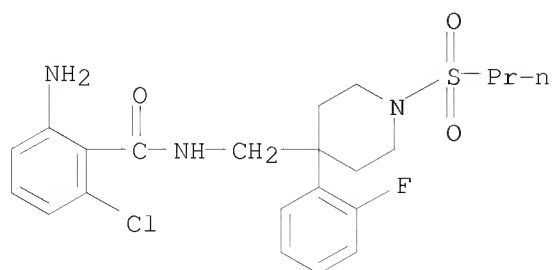
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CN Benzamide, 2,6-difluoro-N-[[4-(3-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)

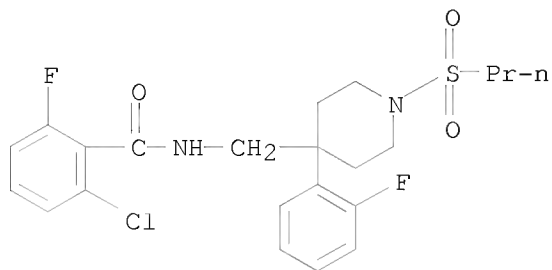


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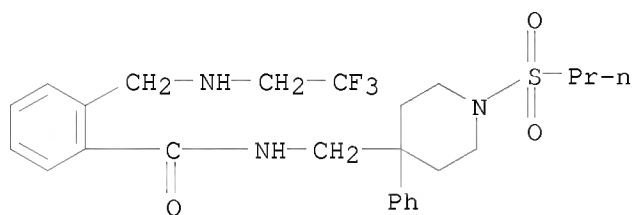
CN Benzamide, 2-amino-6-chloro-N-[[4-(2-fluorophenyl)-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



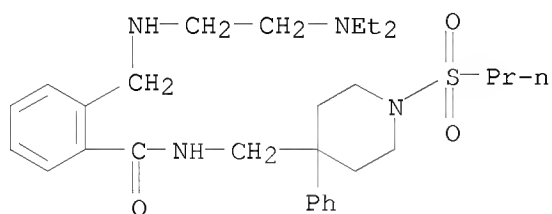
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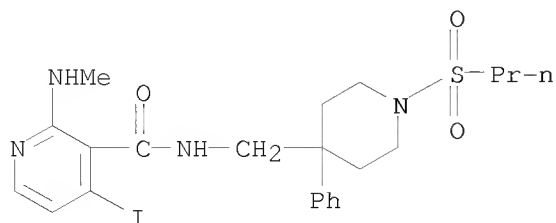
RN 852029-68-6 CAPLUS  
 CN Benzamide, N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]-2-[[2,2,2-trifluoroethyl]amino]methyl]- (CA INDEX NAME)



RN 852029-69-7 CAPLUS  
 CN Benzamide, 2-[[[2-(diethylamino)ethyl]amino]methyl]-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 852029-73-3 CAPLUS  
 CN 3-Pyridinecarboxamide, 4-iodo-2-(methylamino)-N-[[4-phenyl-1-(propylsulfonyl)-4-piperidinyl]methyl]- (CA INDEX NAME)



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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

55.72

235.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.40

-6.40

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